

```

actgaggagt tacagtgaag tgtaaccag ggtccaggg agcgagttga aaagatggag 660
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```

&lt;210&gt; 283

&lt;211&gt; 799

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (750)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (760)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (769)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 283

```

aattcggcac gagtccagg ccgagtcctg cactggaagc cgagaggaga ggacagctgg 60
ttgtgggaga gttcccccgc ctccagactcc tgggtttttc caggagacac actgagctga 120
gactcacttt tctcttctcg aatttgaacc accgtttcca tctgtctcga gtccagagcc 180
tggggcgatg gatccgttta cggagaaact gctggagcga acccggtcca ggcgagagaa 240
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cgagagctaga cagccacttt cagaagcaag taaccagcag cccctctctg gtggttaga 360
gaaatcttgt acaaaaacct cgcctcaaa aaaacgctgt tctgaacaa ctgaagtaga 420
agttcttaac ttggaaaaaa aacaaccagt tgagtcgaca tctgcaaaat ctgttctccc 480
aagtctctgt tctcctcagg tgcagccaca agcagcagat accatcagtg attctgttgc 540

```

```

tgtcccgcca tcaactgctgg gcatgaggag agggctgaac tcaagattgg aaqcaactgc 600
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tgatgatatg acagatgaca ttccctgaaa ctcactcttc tcaccaatgc catcagagga 720
aaaggytgct tccctctccc agacctctgn ttttcaaaa gccttcggna acttcagatt 780
ggcaaaaaaa ggggcccgct

```

&lt;210&gt; 284

&lt;211&gt; 1489

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 284

```

aggtagactg tggcaatrag gcagctaagt gggtccacaa ctctctgaaa actgaagcgt 60
atagatttgt tcaatttrac acaaacatga agggaagaac atcaagaaaa ctctccccc 120
ctcttgatca gaatttccag gtggcctacc cagactactg cccgctctcg atcatgacag 180
atgcctccct ggtagatttg aataccagga tggagaagaa aatgaaaatg gagaatttca 240
ggccaatat tgtggtgacc ggctgtgatg ctcttgagga ggatacctgg gatgaactcc 300
taattggtag tgtagaagtg aaaaaggtaa tggcatgcc caggtgtatt tgcacaacgg 360
tggacccaga cactggagtc atagacagga aacagccact ggacaccctg aagagctacc 420
gcctgtktga tctctctgag agggaattgt acaagtgttc tccacttttt gggatctatt 480
attcagtgga aaaaatttga agcctgagag ttggtgaccc tgtgtatcgg atgggtgtag 540
gatgagtgtg ggatccacta ggtgtgatg gcttcagcaa ccaggaggga ttgactgaga 600
tcttaacaac agcagcaacg atacatcagc aaatccttat tatccagcct tcaactatct 660
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gcaaggaaag tatttagagg ggaatatga aagtatatat ataaatttta ggtactgaag 780
gctttaaaaa taattaaagt catcaaaaat gctattttg atgttatcat ggtattaca 840
ctttactct ctgactttaa tattgatgaa taaagcaagt ttaatgratc aactaaaaag 900
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tttactctag cattatggaa tctgggctgt acttgagtat ggaaattccc ttatagactt 1140
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cactgaaata gtatgtggat gaattcacct acttacaatt ttatggtttc ttgttaataa 1440
ataaatgtga atctcaattt tstaataaaa aaaaaaaaaa aaaagtctt 1489

```

&lt;210&gt; 285

&lt;211&gt; 702

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (695)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 285

```

ggcagaggct cccaaaaatg tgggattaca ggtgtgtggg ccaccgtgcc tggctgattc 60
agcatttttt atcaggcagg accaggtggc acttcacact ccagcctctg gtcctaccaa 120

```

```

tggattcatg gagtagcctg gactgtttca tagttttcta aatgtacaaa tttctatagg 180
ctagacttag attcattaac tcaaaattcaa tgcctctatc agactcagtt ttttgtaact 240
aatagatttt tttttccact ttgtgtctac tcttcccta atagcttttt aaaaaaatct 300
ccccagtata gaaacatttg gaaaagacag aaaactaaaa aggaagaaaa aagatcccta 360
ttagatacac ttcttaaaata caatcacatt aacattttga gctatttctt tccagccttt 420
ttagggcaga ttttggttgg tttttacata gttgagattg tactgttcac acagttttat 480
accctttttt atttaacttt ataacttaaa tattgctcta tgttagtata agcttttcac 540
aaacattagt atagtctccc ttttataatt aatgtttgtg ggtatttctt ggcatgcatc 600
tttaattcct tatcctagcc tttgggcaca attccygtgc ttcaaaatga gagtgcacgc 660
tgggcattgt gggtcccccg ctgtaaatcc cagtnacttg gg 702

```

<210> 286

<211> 1175

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1153)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1166)

<223> n equals a,t,g, or c

<400> 286

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ctaaagggaa caaaagctgg agctccaccg cgggtggcgc cgctctagaa ctagtggatc 60
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cttcaaaatt atttgggcat agtgctctat gtttaataaa ggtttttata gatgttttat 180
tccatatgtc ttcaacaagtc aggacccaca attaccggtg ttttgtttga acagcagttg 240
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aacacacttt gacaggctgt tgcacagggc ttctatagat cagtgtgtta ggaatgggag 420
gcccttctct gccctgcttc ccatatttgt cctctgacat tgacaaaaagc acagtgactg 480
tcagcagatt cctttacttt tgtttgtggg aggtaggaat tgttttaatg cattttaaac 540
agtgtttctg aaattgggat gctggctaatt agacactgaa tcaccgggag tgcctatctt 600
aaaattgcag atttagggag cctgccaaatt taacagtcct atcaggtgat tcttttcaac 660
agtaattgtt gagaattact ggggttaatt gtgggaaaagg gtccagattt taaaggtgct 720
ttaaggttgc cctctgcoga tactgtttgt ctttctactt tttcatcccc taacttcccc 780
caaccctcaa attaaaaacta gaactataga tccacatgaa cgcacgcctg agattttggcc 840
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tcagttaatt agttttgctc accactagta cagatgaccc gtttacacgt ggcttccctc 960
ggaagccctc ctcaacagta gctggtgtga aagactaaat cagtagagtt ggaaaagctt 1020
tataacgggt gtgtcatatg cttgctattt aaagctgtgt gttgggtttg tttttctgoc 1080
acattcacta gtttttaatt aaatatcttc caaaaattgga aaaaaaaaaa aaaaaaaaaa 1140
aaaaaaaaaa aannccccgg gggggncccc ggccc 1175

```

<210> 287

<211> 2873

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (829)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2870)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2871)

<223> n equals a,t,g, or c

<400> 287

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tgacaggtctt aaacgacaaa aatgtcagca atgaaaaaaa tacagaaaat tgcgacttcc 180
tgttttcgcc accagaagtt accggaagat cgtctgttct tcgtgtgtca cagaaagaaa 240
atgtgccacc caagaacctg gccaaagcta tgaaggtgac ttctcagaca cctctgcggg 300
atccacagac gcacaggatt ctaagtccta gcatggccag caaactigag gctccttcca 360
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aacagctcat caaggaaagt gatgccaaaa ctactcatgg aattctacag aaaccagtgg 480
aggctgacac gcacctcctg ggggatgcaa gccagcctt tgggagtggc agctccacgc 540
agtctggccc aggtgccctg gctgacctgg actgctcaag ctcttccac agccccaggaa 600
gttctgagaa ccaaatgggt tctccaggaa aagtgtcttg cagccctgag caagccgtgg 660
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aatgcacaaag ggaactccg cacggagccg aggaggaatg ccggcacgnt ggggtctgtg 840
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ccctcctgga gggacagctc tggtagacca gtgccctggg ccaccgagat cagcagcatc 1860
cacggtgcaa atgagactcc ctccaggact ccgcgggaag ccaagcttgt ggagtccgat 1920
ttcttgggag cactggacat tctgtgcca ggccccccc caggtgttcc cgcgcctggg 1980

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ggccaccacc tgtccaccgg rcctatagtg gacctgctcc agtacagcca gaaggacctg 2040
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tttttctgt ctgtcttcca acttttttta aaactagatt gctttgaaaa catgactcaa 2760
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa ngg 2873

```

<210> 288

<211> 2104

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (44)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (497)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1323)

<223> n equals a,t,g, or c

<400> 288

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cggcgatctc agcaaatact tcttgagggc ctactctgcg ccangtggtg ggggttagaa 60
ggagctggtc gctgtcggct aagcaagatt ggagctactc gtcgtccacc tccagctcgc 120
gtaagggtgg ctgtgcgact gcggccattt gtggatggaa cagcgggagc aagtgatccc 180
ccctgtgtgc ggggcatgga cagctgctct cttagagatt ctaactggag gaaccaccag 240
gagactctca aataccagtt tgatgccttc tatggggaga rgagtactca gcaggacatc 300
tatgcaggtt cagtcgaccc catcctaagg caactgtctg aaggcgagaa tgccagtggt 360
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cctggggtga tccgcggggc tctcatggac ctctgcagc tcacaaggga ggagggtgcc 480
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gtattagacc tcttgagacc tgcttcggga gaccggtaa tccgagaaga ctgccggggg 600
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cgccagcgag agggaaaact ctacctgatt gacttggtgt ggtcagagga caaccggcgc 840

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gcctcctga ccgtcgtctc ctactccgc cttttcaaat tttgtataa ccccggtgtg 2040
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```

<210> 289

<211> 1251

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1194)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1211)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1215)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1231)

<223> n equals a,t,g, or c

<400> 289

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aactattggt acggggctag agaggaaggc ttgggattg ccggggagca gcgagcgacc 120

```

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gacttcggtt tccagttacc aaggcacgag gatccggtgt tccaacccag ggggaaaaat 180
gcggcctttg actgaagagg agaccggtgt catgtttgag aagatagcga aatacattgg 240
ggagaatctt caactgctgg tggaccggcc cgatggcacc tactgtttcc gtctgcacaa 300
cgaccgggtg tactatgtga gtgagaagat tatgaagctg gccgcacaata tttccgggga 360
caagctgggtg tcgctgggga cctgcttttg aaaattcact aaaaccaca agtttcggtt 420
gcacgtcaca gctctggatt accttgcacc ttatgccaa gataaaagtt ggataaagcc 480
tggtgcagag cagtccttcc tgtatgggaa ccatgtgttg aaatctgttc tgggtcgaa 540
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```

<210> 290

<211> 1591

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (768)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1538)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1560)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1562)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1568)

<223> n equals a,t,g, or c

<400> 290

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cggatggaaa aatcaatcaa accaccacaa agtggttatt tatgtgtcgt gagtgatgtc 120
ttgtttacat tatgttctag actggccccc tgaatctcca gacaaccaat atcacttaaa 180
taagtgatag tcttaatact agtttttaga ctagtcatgt gagaacagat gattgatgtc 240
ttagggccgg agaaaacgag acggcgatcc acacagggaaa agatcgcaat tgttcagcag 300
agctttgaac cggggatgac ggtctccctc gttgcccgcc aacatgggtt agcagccagc 360
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&lt;210&gt; 291

&lt;211&gt; 2386

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (448)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 291

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&lt;210&gt; 292

&lt;211&gt; 983

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 292

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983

<210> 293

<211> 2655

<212> DNA

<213> Homo sapiens

<220>

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<222> (2595)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2611)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2641)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2651)

<223> n equals a,t,g, or c

<400> 293

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<210> 294

<211> 1738

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (854)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1679)

<223> n equals a,t,g, or c

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<222> (1693)

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<220>

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<222> (1717)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1729)

<223> n equals a,t,g, or c

<400> 294

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<210> 295

<211> 1020

<212> DNA

<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (37)

<223> n equals a,t,g, or c

<400> 295

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<210> 296

<211> 684

<212> DNA

<213> Homo sapiens

<220>

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<222> (660)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (675)

<223> n equals a,t,g, or c

<400> 296

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684

<210> 297

&lt;211&gt; 1838

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 297

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1838

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&lt;210&gt; 298

&lt;211&gt; 1635

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1609)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1635)

&lt;223&gt; n equals a,t,g, or c

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<400> 298
gcggaaagtgc   ttccgcgcggg   aggccccgggc   aactcttttg   aatggaatcg   ggctgattca   60
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tcgcgtccacc   acagaggcaa   gacaaagggtc   catatccggc   catccgggtc   ccgcccgctc   180
tcaggagagaga   aagaaaaaat   aaaataact   tggggaagt   gtacctgcca   gaattagcaa   240
gagctttctt   taagaagaca   ttgtcaaac   tcaacaatt   gaaggttaac   accttaagag   300
ttgtagttag   tgaccagaaa   tatggacaga   ctcttagac   ttggaggag   tatgctcgga   360
ctgggccagg   ggccacctac   agatgctcct   gcagtggaca   cagcagaaca   agtctatatc   420
tcttcccttg   cactgttaaa   aatgttaaaa   catggccgtg   ctggagtcc   aatggaagt   480
atgggtttga   tgcttgagaga   atttgttgat   gattataccg   tcagagtgat   tgatgtgttt   540
gctatgccac   agtcaggaa   aggtgtcagt   gtggaggcag   ttgatccagt   gttccaaagt   600
aaaaatgttg   atatgttgaa   gcagacagga   aggccggaga   tggttgttg   ttgttatcac   660
agtcaccctg   gctttggttg   ttggtttct   ggtgtggata   tcaacactca   gcagagcttt   720
gaagccttgt   cggagagagc   tgtggcagtg   gttgtggatc   ccattcagag   tgtaaaaaga   780
aaggttgtta   ttgatgcctt   cagattgatc   aatgctaata   tgatggtctt   aggacatgaa   840
ccaagacaaa   caacttcgaa   totgggtcac   ttaaacaaagc   catctatcca   ggcatatatt   900
catggacaaa   acagacatta   ttactccatt   actattaact   atcggaaaaa   tgaactggaa   960
cagaagatgt   tgctaaattt   gcataagaag   agttggatgg   aaggtttgac   acttcaggac   1020
tacagtgaac   attgtaaaca   caatgaatca   gtggtaaaa   agatgttgga   attagccaa   1080
aattacaata   agcgtgtaga   agaagaagat   aagatgacac   ctgaacagct   ggcaataaaa   1140
aatgttgcca   agcaggaccc   caaacgtcat   ttggaggaa   atgtggatgt   acttatgacc   1200
tcaaatattg   tccagtggtt   agcagctatg   ttggatactg   tcgtatttaa   ataaagcaac   1260
gaaaaacgct   attaatgatg   ccttcagtg   atattcctct   gttgttccta   atgctcaaaa   1320
tcaagggacc   tctgaaggtg   tacttggtca   aatgtaagac   atctggcatc   atttcagaca   1380
ctgtaacacc   ttcagttcca   gttgtgcaat   tacttctgtt   tctttagtca   gggctcttgc   1440
agattctaaa   gttatacatg   aatacatcaa   agtggacaaa   ttttgtaaag   atccccatta   1500
atatttgaaa   aaatcagtag   cacaatatata   ttttgattgt   cacttacaaa   ataaaaataca   1560
tttacagtcw   aaaaaaaaaa   aaaaaaaaaa   aaaaaaaaaa   aaaaaaaaaa   aaaaaaaaaa   1620
aaaaaaaaaa   aaaaan

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<210> 299
<211> 868
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (790)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (857)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (860)
<223> n equals a,t,g, or c

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<400> 299  
gtcgaggggt agcgatgcgg gctccgggga tgagggtcgcg gccggcgggt cccgcgctgt 60  
tgctgcgtct gctcttcctc ggagcggccg agtcgggtgcg tcggggccca cctccgcgcc 120  
gctacacccc agactggccg agcctggatt ctccggcgcgt gccggcctgg ttcgacgaag 180  
ccaagtctcg ggtgttcctc cactggggcg tggtctcggt gccgcgctgg ggcagcgagt 240  
gggtctcgtg gcactggcag ggcgaggggc ggccgcagta ccagcgcttc atgcgcgaca 300  
actacccgcc cggcttcagc tacgccgact tcggaccgca gttcactcgt cgctctctcc 360  
accgggagag tgggccgacc tcttcaggc cgccggcgcc aagtatgtag ttttgacgac 420  
aaagcatcac gaaggcttca caaactggcc gagtcctgtg tcttgaaact ggaactccaa 480  
agacgtgggg cctcatcggt atttggttgg tgaattggga acagctctcc ggaagaggaa 540  
catccgcctat ggaactatac actcactctt agagtgggtc catccactct atctacttga 600  
taagaaaaat ggcttcaaaa cacagcattt tgcagtgca aaaacaatg cagagctgta 660  
cgacctgttt aacagctata aacctgatct gatctgggtc gatggggagt gggaatgtcc 720  
tgatacttac tggaaactcca caaattttct ttcattggsty taacaatgaca gccctgkcaa 780  
ggctctctgt gggtcgttga gggcaaggac cctgttttat tcaacctggg aactcagtg 840  
ttgccacatg tgaggcnan ggtagtcc 868

<210> 300  
<211> 547  
<212> DNA  
<213> Homo sapiens  
  
<220>  
<221> misc feature  
<222> (526)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (542)  
<223> n equals a,t,g, or c

<400> 300  
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gtctgcgcga gctcgtctcc gcagccatgc ccaccaccat cgagcgggag ttccgaagagt 120  
tggtactctc gcgtcgtctg cagccgctgt acttggaat tcgaaatgag tcccatgact 180  
atcctcatag agtggccaaag ttccagaaaa acagaaatcg aaacagatac agagattgtaa 240  
gcccatatga tcacagtcgt gttaaactgc aaaaatgtga gaattgattt attaatgcca 300  
gtttagttga catagaagag gcacaaaagg gttacatctt aacacagggg ccacttccta 360  
acacatgctg ccatttctgg cttatggttt ggcagcgaga gaccaaagca gttgtcatgc 420  
tgaaccgcac tgtggagaaa gaatcgagtg gtgaacaga acaatatctc actttcatta 480  
tactacctgg ccagaatttg gagtcccttg aatcaaccag cttoanttct caatttcttg 540  
gntaaag 547

<210> 301  
<211> 865  
<212> DNA  
<213> Homo sapiens

<400> 301  
ttagttagaga tgggggttca ccacattggc caggctggtc tcaaacctct gacctcaagt 60



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gaatccacct accctggcct accgaggtgc tgggaattaca ggtgtgagcc accgcgcctg 120
gcctaaacct gccttattac aacgttatct gtgggtcggg atccttttat attgggtaac 180
agatgaccct gactcagaat aatctttttc aatggctttt tgagggaagc ttgtgaagtt 240
ctgggtgaatc ttctttttca ctctactttc agtgagctga aagtaaccac actaaatata 300
tgatttgtgt aaagggacag gacaagacag ccttaaaaaa ttgaatatag ttggtgagac 360
aacctcagaag tacagggttt agcatccctt attcaaaaat cttgagaagt gttttggggt 420
ctggaatatt tgcattaatg cttgccagtt gagcatccca ggtccggaaa tccacagttg 480
tccaatgagc ctttccctg agtgtcacat ctgtattggc attcaaaaag ttctcattt 540
tggagcattt cagatttcag atttgggatg cttcatctat attgacagct gcaagaacag 600
aaaggaagaa gagatttatt ttgtgggaga acagtttttc ccatagtgtt tcctgtggaa 660
tgcctagtgc tcataaagtc ttcyaaaaaa aaaaaaaa aatcaaatgt ttggaaagcca 720
ttttgtgta ctgtgtgact ttcttttact caaaaacagc accataaaat ttctgacaag 780
taactaggt aaagaaatcc ctttatactt aaacctagat ttctacctt tccccacta 840
aaataaaatt ttataaccac ttctt                                     865

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&lt;210&gt; 302

&lt;211&gt; 815

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 302

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asaagcataa acataagcac aaacacaagc ataagcatga cagtaaaagaa aaggacaagg 60
agcctttcac ttctccagc cctgccagtg gcagtcctatt cgttctcctt ccttttcaga 120
ctgagaaggg gacaaaaaga cctttccttt catgtccaga agaattgatg taactaaagc 180
tttgtcctct gtgaagaatt ataaaaggga ggggggaaag gattcgccct tctacagaa 240
attctgaatt catttaagtt ctaagcattt gatttatgtt atttatacag ttgggatcta 300
attagaaaaa tgtgttttgt agttctggat aaactatttc atccgctgtt tctcccccac 360
aacacacaca cacagcaaac tccctttcat aaaagccctc atatccactg gcagtcctccg 420
ttcgatcctt ggtctccatg tgtaccgcca aagtcaatta tgtttgaaag cctttggtgg 480
atgttatggg gcaaagttat gatttacaca gaagcaactg ccaaatctgt ggtgcaacca 540
ctatctccag tgaatatatt tataaaccca ttggaacta ctgaaaagac agtggctttt 600
ctacagttat cttccttatt gcaccatttt tgtattaaac tagaaaactaa gcatcagaat 660
ttatgaacaa agaatatgtt atttttccyt ttgcyctaaa atactgagga ttgggggaag 720
caattcyttt taaaaaaaat ttgggaataa ctaycttttg rtacacattc gggsggttac 780
ggtgtggggg atttaggcag gactatccaa atccc                                     815

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&lt;210&gt; 303

&lt;211&gt; 1919

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1907)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 303

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actgacagta cggctcggaat tcccggttcg atccacgcgt ccgcggagct ggsacaaaaa 60
cagatgctag gaagcttgge ttctctttct tgttgaccct tttttgaacc aacattttt 120
ttattatatt cagagtagtg tttaagtgt atcttaatat atacattttt taggacattc 180
taaatctaaa caaaaaataa aatgaacatc tcttgaaacc tgttaaaaca accagttaaa 240

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gccacagatg gctttcaggg cagtagcagc agaggccagt ggactctgag gactcctgag 300
ggggggggcg tgtagccagc cagggtgcatg ccggggaccat gggccccata ctgggctgct 360
tcctgtgaca gtgaaataca tccttcaagg tggcagctgt tagggctgaa tctcttgagg 420
aaaaaggtgc catctcagga gaatagcttt tactctggta ggaatgcttc cgagacacca 480
caaggcgacc tgaacactca gttgcagggt cgggcttgcg gtgggtgacc cagagccacc 540
aaagtcacat ccacaactaa tgagggaaat ctgtaaagcc agttagatag aagaatttta 600
ttttctctgt ggtttttgtgt tgtctttttt atgttaaaaa gaaatccagt ttgtgttttt 660
ctatagraaa agtaaaaagat caggttatac tttaggttag gggttctatt tttctcgttt 720
agtaataaaa attaacaanaa ttctttgttt aacaaaagat taatctttaa accactaaaa 780
tacaatagact gattgattat tcaacacatt ggaattgatg tcggctcatag ttctctgaag 840
catttagtga caactgaaag gaataaaaatg attttgtgaa atgcttaaaa tagacctaac 900
tgaatacagt ctcatcttgc cgcgcctggc ttacctatct gtggaaaagct aggcctccca 960
ggctggggctc tgctgtctgg tgccctggagg tgtgggaggg aagatgagtt atttaactgg 1020
taagcgattt gaaacactat ttttatatta aagtaaatgg catggagtat agtgcaaat 1080
catttttaag atagaacaca aaacttgaaa gaagttttat gcgtgtgaca gtgtatgggg 1140
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ttagagattt cctccatttt tattttctcg tgaacataga gtttggggcc gaaaatggtt 1440
ttaaagtatg tgtttgagtt aaatataaag ttggttcact tcaaaagtaa aaaaattgta 1500
aacttgcagc ttggtattgc agagaagatt ttataagaat ttgcttttag agaatgccac 1560
tttgctgaa ctacaagtgt agggccaccat tataatttat aaatacagca tacttcaaaa 1620
ctgtttgtta tctcttggta ccatgtatgt ataaatggac cttttataac cttgttctct 1680
ctgtgacaga ctcaagagaa actaccacagg tattacacaa gccaaaatgg gagcaaggcc 1740
ttctctccag actatcgtaa cctgggtgcct taccaagttg tgcttttctg ttttcaagtg 1800
taaatgatgt tgagcagaat gttgtacttg aaaaatgctat aagttagatg gtatgaata 1860
aatctgact tatgaaaaaa aaaaaaaaaa agtcgacgcy gccgganatt tagtagtag 1919

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&lt;210&gt; 304

&lt;211&gt; 157

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (112)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 304

```

agggtgtacac cctgcccagc cacaagccga tttttaaaag gtcaaatgct atgacagcca 60
ttttacagga aaaaaaaaaa ttgtatagtt gtggtagcgt tcctcacaca gngcaccagc 120
ttcaggaggt ctgtcccttg cagaccctcg aaccggg 157

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&lt;210&gt; 305

&lt;211&gt; 343

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

<222> (270)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (291)  
<223> n equals a,t,g, or c

<400> 305  
aatgcagtggt ttctcgattac tgatctctca ttacccaact atctgatggc atcttcgggt 60  
ggactgcttc ctacccagct tctgaattct tacttgggta ccacccctgcg gacaatggaa 120  
gatgtcattg cagaacagag tkttagtga tttttgttt tttgtttaca gattattata 180  
agtataggcc tcatgtttta tgtagttcat cgagctcaag tggaattgaa tgcagctatt 240  
gtagcttggtg aaatgggaac tggaaatctn ctctgggttaa aaggcaatca nccaatatac 300  
agtgggctct ttcattctac aacaagagga ccctaacatt ttt 343

<210> 306  
<211> 696  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (553)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (585)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (593)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (649)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (661)  
<223> n equals a,t,g, or c

<400> 306  
gaagcaggca ggttgctcag ctgcccccg agcggttccct ccacctgagg cagactccac 60  
gtcgctctgc atgagccggc gccctgcag ctgcgcccta cggccacccc gctgctctg 120  
cagcgccagc cccagcgagc tgacagccgc cgggcgccct cgacccctcg atagtgttaa 180  
agaagaaagt tctacccttt ctgtcaaaat gaagtgtgat ttaattgta accatgttca 240

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ttccggactt aaactggtaa aacctgatga cattggaaga ctagtttcct acaccctgc 300
atatattgga ggttcctgta aagactgcat taaagactat gaaaggctgt catgtattgg 360
gtcaccgatt gtgagcccta ggattgtaga acttgaaact gaaagcaagc gcttgcataa 420
caaggaaaat caacatgtgc aacagacact taatagtaca aatgaaatg aagcactaga 480
gaccagtaga ctttatgaaag acagtgcata tcttcaattt cttacaaag tggcctcagt 540
gaccatgaag aangtagcct tctggaggag aaattcgttg acagntcaca atnctggctg 600
gttacaaatc caaggcccag acccaatatt ccccaaaaa aacttttgtt tggccaggtc 660
nttcaatttt tgaaaaaaag tgggttttgg tttaac 696

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&lt;210&gt; 307

&lt;211&gt; 396

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (394)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 307

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cctaggcctc ccaaaatggt gggattacag gcgtgaggca cgcacccaa cctaacagag 60
gaaacacttc aaatgcacat cctcacattt ctagtctacg tagctggaaa aaaaggacat 120
tyttaatatg ctaatgtgga ggtaacctag ttaccctaa ggaagaaagc aaggcaagga 180
cccactgcac agcaagtctc cccctggaag cccacggcg cactgccac aaatgcacat 240
aatctctgca gaaatacaaa agccctaatg ctggctgcac tggggacaca ggtaggagga 300
aattttcccc tgtaagcagt tttgaattct gaactatgtg gacagamac caattttaaa 360
acaatgaaag tgagttggct gggcacatgg tttngc 396

```

&lt;210&gt; 308

&lt;211&gt; 549

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 308

```

agagacaggg ggcaagaagg ggtgtmaggg cccagtraca aaatcattgg ggtttgtagt 60
cccaacttgc tgcgtgcacc accaaactca atcatttttt tcccttgtaa atgccctcc 120
cccagctgct gccttcatat tgaagggttt tgagttttgt ttttggctct aatttttctc 180
cccgttccct ttttgtttct tcgttttgtt ttctacogt ccttgctata accttggttt 240
ggagggaacc tgtttcacta tggcctcctt tgcccaagtt gaaacagggg cccatcatac 300
tgtctgttct cagaacagtg ccttggtcat cccacatccc cggaccctcg ctgggacccc 360
caagctgtgt cctatgaagg ggtgtggggg gaggtagtga aaagggcggt agttgggtgt 420
ggaaccacga aacggacgcc ggtgcttga ggggttctta aattatattt aaaaaagtaa 480
ctttttgtat aaataaaaga aaatgggacg tgwaaaaaaa aaaaaaaata aaaaactcga 540
gactagtcc 549

```

&lt;210&gt; 309

&lt;211&gt; 1778

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

<221> misc feature  
 <222> (1704)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1744)  
 <223> n equals a,t,g, or c

<400> 309  
 ctgtctctggc cttccagggt gctggggatta caggcgtgag ccactggaac ctggcccttgt 60  
 ttgtctttat tttttctctt acatgaagta aagcgctttg gtcaaacaca caaaaatact 120  
 gccttgtact ggtggttggg ttcatttagtg gatcacacac agtgtcttac ttggtctgta 180  
 aaatggtgcc ttggataggg tgagtttgga taagtatgta tgtatgtatg agttatagca 240  
 aaattaaagta gattgaatca agtccatgca aaagcaataa aacagtttta attttttaaa 300  
 tttttaaaaa ttaaaacttt aataaaaacag tttttaattt ttgtctaggt tcttttaaaa 360  
 aatgatgtaa cttacatgga agtcttcaca ggactttttt ctttcttgga actattgaaa 420  
 tgtaatttag gatgattga tcttccatct caagttgta acatggctgt gtcattctgg 480  
 cttacatatg ttttatttaa caaaattcta gtcaaggat aagggcataa tgaagacaag 540  
 ctccagttat gaaagtacaa actattttgt tgattaattt ttaaaaatga cattaaagaag 600  
 cccattgtaa aataatattt gcagtcacaaat ggtttttctt gctgtaagtc ctgtgttagc 660  
 tatgtttagg gtatgggttc tcatctacct tggagtgcat aagacttacc tagcaggcct 720  
 gtttaaaaag ttcagattcc tagctttgta cccagggat gcctcagggt gtaggggctg 780  
 tggctctgga gtcctacact ttataaatag accacagaga gtagctgctt 840  
 catcgaaatg gaagtaccaa ggagaaagta caattcagta ttgtctggag gcaagtggaac 900  
 actttgtacc tggagtttag aatagggtgg tctctgccag tacaatcccc aggcgttttc 960  
 tgtgttcaga agtagtaaga atgcctttaa ttcagaggat tatctaagct ctttaaaagt 1020  
 gtttttctcc attgtcatag tgcccttctc gaaaaatgaa tgtacaggta tcttattttc 1080  
 taatgtaatt aggatttttt aaaagcaatt ttgtatagtt tttcttttaa aaagtaaaat 1140  
 tcagcactgt gacttgaacc cccaatctt tcacatcacag gtgaaacatt aagccacaaa 1200  
 taaaaataat gaacaagaaa gaagacaaga tcttaattcc tgtcattagt gacctaaagta 1260  
 ccccatatca gaaactttgc aaaacagatc tagggacaga agggccttga aagacatttt 1320  
 tctttggggc aaatttcgtg tgccagaact acagttttaa tgtttttatg agcaaggga 1380  
 ggtagcattg attcccatag ctttctaatt agatacatgc tgtcatggat tgaagcctta 1440  
 aaggagttaa tactaatctt gtacatacac aaattttctt caggtttttt tattttaaaa 1500  
 atgatattgt taaaagtact gtctgctaga cccattgcctt tgagtggtct tgaaccttaa 1560  
 tatagttttt aaaaagtgc aatgggatgag attatgctat tagtatatta aaagcatgct 1620  
 tctgttttac tcaattttgt aagatcattt aatggaataa agatcacac accaaaaaaa 1680  
 aaaaaaagg gctggccgct ctanaagatc caagcttacg tacgcgttgc atgcgacgtc 1740  
 atanctcttc tatagtgtca cttaattcaa ttcactgg 1778

<210> 310  
 <211> 771  
 <212> DNA  
 <213> Homo sapiens

<400> 310  
 attaatattaa aaagccccc aatcgtgtgt attttattat ggcagcccta gcaagctaat 60  
 acagtgggtt gagaggctgg gagggttgag ggggaagata acttttaaaa agctcttata 120  
 ttctatttca atcagttaaa aatacttgct cagtgtacaa attttgctc tcagcttcca 180  
 ctctaataat: gttgtgccat taagcaattt agctaactct gacattttct agattcataa 240

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tgtaggagc atttaaatctg tattttacaa gttaggaaagc agaggatcag agatgggaaa 300
ggactagccc aaggccaaca ttaacaagcc ctctaacaaa aactttacaa tacatattatg 360
ttgaatggaa ctccaagatc tcacctctcc atccaggaaat ggagtccatg taatcaaaagt 420
gaacttaaaa ataggacagt ttcaacaagt caggagattc acagcaactg atcaaaaggga 480
gtccagtcaa cgtgagcaag cgtgattatg atgaggaagc cccctctgct ttaatccaca 540
caaggaaagct aacctgaagt aacctgatgt taaccaatct gctgtgtcta ctatgctgtt 600
tccttgttcc tgctagtgtc gctttacaaa tgcagaccat tctatcatc ctggcrgggc 660
ttctgtttta ttttgtaggc tggatgctac ccagttcatg aatcgctaata aaaaagccaat 720
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<210> 311

<211> 1419

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1005)

<223> n equals a,t,g, or c

<400> 311

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agaacagaca ttgtcatgga ttgtggctgc agtataaatc cagccattga catagggcag 180
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tcatctaagg gtctgggaga gtccgggggtg ttccctgggt gtccgtgtgt ttctgctatc 420
catgacgcag tgagtgacgc acgacaggag agaggcctgc atggaccctt gacccttaat 480
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cggagagatg aacctggatc ctacgttctc tggaaatgac ccatctgaat caaatgcaaa 600
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```

```

tgtaaccaga tacataaaga gctcttaca cccaataaaa ggcaagtaat ttaaaaaatag 1260
gcaaaagaat tgctggatgg tatggtagtt ctatttttag tttttaccct aactactctg 1320
acttgatcat ttaacattct gtgtatgtaa caaaatatca catgcataaa tattatgtat 1380
caataaaatt ttttaattgg caaaaaaa aaaaaaaa 1419

```

<210> 312

<211> 526

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (525)

<223> n equals a,t,g, or c

<400> 312

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gaaatttgtt tgcagcatt gcataccttt tcttaactg tctctaagt actgatgtct 180
ttcaaatgta ctacagacat actccttatt ttgagcaga atattttgaa cagaaaawta 240
agccattttc atttatatac ctaattcaat aggtttataa ataaaagggc aaatcctcac 300
gaataacaca gtacagtga aattgtctct cccctagga actgaggaat agaaaaacaa 360
tttctcttta cattgtttat agtaggttag ccttgaaaag aaaatcactt atccctgcca 420
ccccctggt cctcataaca agttaggga actgaaattg ctggaaattt aggtattctwa 480
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```

<210> 313

<211> 2435

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2408)

<223> n equals a,t,g, or c

<400> 313

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tctccaagga tggccagcca ttctcgtaca tctcaggaag cattcactac tcccgctgac 240
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accatgatgt ggaatatttt cttcggtctg ctcatgagct gggactgctg gttatcctga 420
ggcccgggcc ctacatctgt gcagagtggg aaatgggagg attacctgct tggctgctag 480
agaaagagtc tattcttctc cgtctctccg acccagatta cctggcagct gtggacaagt 540

```

```

ggttgggagt ccttctgccc aagatgaagc ctctcctcta tcagaatgga gggccagtta 600
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gtctcctgca gaagcgcttt cggcaccatc tgggggatga tgtggttctg ttaccactg 720
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actcaanaa aaaaaaaaaa aaaaaaaaaa aaaa 2435

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&lt;210&gt; 314

&lt;211&gt; 2543

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2538)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 314

```

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caaggatgga gagtggaaat ggaagatgca cacacagctg tttaggttat tcttcacggc 240
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tactgctcaa cacatttatt agaacacatc actactaacg aagactttag ggcagctgga 360
aaatcaggat ctgctcttga gcttctcagtg gaaaaatgta agaatggat cagaactgga 420

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```

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ggtgattcac gtgctgttct gtataggaat ggacaaagtct gctttcttac ccaggatcac 600
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caacgtgtta atggttcatt agcagtatct cgtgctctgg ggactatga ttacaagtgt 720
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atgtagttag ccttgtnag gtt 2543

```

&lt;210&gt; 315

&lt;211&gt; 828

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (828)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 315

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taattcgca cgmgtcccgt gtggagctgg ctgagtcgag cgctctgctc caccgcagg 60
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cgtgaagatc tacaccttag aggagattca gaagcacaac cacagcaaga gcacctggct 180

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```

&lt;210&gt; 316

&lt;211&gt; 1608

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 316

```

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aaagaagtcc tttcaagtct ctaggactgg actcttctca agcaagtccg gaagcaccct 180
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ggtgacctg gtgtgttacc agatggagag catcgtcgca gctactcagt ggggtgaagg 480
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aagaaatatg ttggtgtgtt tgtccttact tgaaatgggt ctgtattatg gtacttttaa 1560
taaatatttg attttctctt ctcttcaaaa aaaaaaaaaa aaaaaaaa 1608

```

&lt;210&gt; 317

&lt;211&gt; 1057

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

<220>  
 <221> misc feature  
 <222> (958)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (966)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1035)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1053)  
 <223> n equals a,t,g, or c

<400> 317  
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<210> 318  
 <211> 1336  
 <212> DNA  
 <213> Homo sapiens

<400> 318  
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 tatagagatt tgaacttggc caatgtatta ctggactctg aaggccacat taaactcact 180  
 gactacggca tgtgtaagga aggtattcgg cagcagata caaccagcac tttctgtggc 240  
 actcctaatt acattgtctc tgaattttta agaggagaag attatgtgtt cagtgttgac 300

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1336

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<210> 319

<211> 496

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (433)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (439)

<223> n equals a,t,g, or c

<400> 319

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tttatcyatt ctaaaargacc cagttgtacc caatttgrgg cmgcattcc aaatgggtgg 420
ttaaacccaa atncccganc twaargaaak tgccctgggt gctttactac gttgggtagt 480
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496

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<210> 320

<211> 1736

<212> DNA

<213> Homo sapiens

<220>

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 <222> (1718)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (1721)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (1733)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (1750)  
 <223> n equals a,t,g, or c

<400> 320  
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 gcgcgcctgc ccttgatcac ctgttccggc ccacagcgcg cgaggacgag gaggacgake 180  
 ccaccgagat cgagtgccta tgcattgaact gttactgcaa tggcatgacg cgccctcctgc 240  
 tcaccaagat tcccttcttc agagaaataa tagtgagctc cttttcctcg gaggactctg 300  
 gctggaacaa cagggagatc cagtcggcag gcaggatcca ggaccaggga gtgccttaca 360  
 ctttgtctgt carggctctg gargacatga acagagaagt ggtgaagact gactctctgt 420  
 ccacaaggat tcttgagcta gattttgaaa ttctgcctt tagccagaaa ggagctctga 480  
 ccactgttga aggattgac acccgtgcta tctctggcct ggagcaggac cagcctgcac 540  
 gaaggggcaa caaagatgct acagctgaaa gaattgatga gttcattgtc aaactgaagg 600  
 agctaaagca agtagcctcc cctttcactc tgatcattga tgatccctca gggaaacatt 660  
 ttgtggaaaa ccccatgctc cctcagaaa atgatgcctt ggtgatcaca cactacaacc 720  
 ggaccgcaca gcaggaagag wtgctggggc ttcaagaaga agcaccagca gagaagccag 780  
 aagagggaaga tctcagaaat gaagtgcctc mgttcagcac aaatgcccc gaatgcaatg 840  
 tccccgtca gaccaacatg aagctaattg tggctctgtt cgcttggaa tagatttctc 900  
 taacttcggt ttccagaat ccttcactt aaaggagttg tcatcatggc taccaaatgc 960  
 gagaactgtg ggcattcgac caatgaggtg aaatcgtgag gacgagtga acccttggcg 1020  
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 gagacttgca gtgtggaaat ccagagctga gaattgaac tgggaatggc agtccctcgg 1140  
 ggcaagtcca ccaactgga agggctgctg aaagacatcc gggaactcgt gacaaaaaat 1200  
 cctttcacac tggggcgacag ttccaatcct ggacagacgg agagactaca ggagtttagc 1260  
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 gtgcacactt tctaaacagc ttgtgatgca agtgtagacc tatttgttta ctgaccta 1680  
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<210> 321  
<211> 588  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (512)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (543)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (567)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (574)  
<223> n equals a,t,g, or c

<400> 321  
gggaggccga ggtgggagga tcactggagc tggggagttc aagaccagcc tgggcaacat 60  
agtgaaccg tctccacaaa taatttttaa aaaattagcc aggcattggtg gtgccgcctg 120  
tagtccacg tactcaggag gcttgggtgg gaggattgcc tgagaccagg aggttgaggc 180  
tgcatgtgac cgtgatttca ccaccactcc agcctgggtg agaaagcaag accctatata 240  
aatgaaaaaa aaaaaaaaaa aagaccagct ttgcagccag aagccagagg ataccaggag 300  
acagttaggc tcccagggtg ctggtttctca gcacaccttc catgaatctg cttgctgctg 360  
cttcagtgtg gtggccatcg tgcgtgtgta caaaccaggg ctgttcacag yttccctcagc 420  
ccccagaag gggagttggt cagggaagag acattttaag ttcatatttc cttgcaattt 480  
tcttcttctc ttgcaaggtt cttcggtggg anttcagtc accaaaaaa aagccttaaa 540  
cncgggtttt tttaaggaga gggtttntta aatncccttt tgccccgac 588

<210> 322  
<211> 738  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (10)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (15)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (17)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (19)  
<223> n equals a,t,g, or c

<400> 322  
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atcaggccca tttgtctccc ctgcaccgag ggaacaaactc gagctttgag gcttccctcca 180  
actaccactt gccagcaaca aaagggaagag ctgctccctg cacaggatat caaagctctg 240  
tttgtgtctg agggaggaaa aaagctgact cggaaggagg tctacatcaa gaatggggat 300  
aagaaaaggca gctgtgagag agatgctcaa tatgccccag gctatgacaa agtcaaggac 360  
atctcagagg tgggtaccccc tcggttcctt tgtactggag gagtgagtcc ctatgctgac 420  
cccaataactt gcagaggtga ttctggcggc cccttgatag ttcacaagag aagtcgtttc 480  
attcaagtgt gtgtaatcag ctggggagta gtggatgtct gcaaaaacca gaagcggcaa 540  
aagcaggtac ctgtcacgcc cgagactttc acatcaacct ctttcaagtg ctgccctggc 600  
tgaaggagaa actccaagat gaggatttgg gttttctata agggggtttc tgctggacag 660  
gggcgtggga ttgaattaaa acagctgcga caacaaaaaa aaaaaaaaaa aaaaaaaaaa 720  
aaaaaaaaag gggggggg 738

<210> 323  
<211> 876  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (61)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (759)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (761)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (786)  
<223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (798)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (857)  
 <223> n equals a,t,g, or c

<400> 323  
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 ggctttgcaa attgcagacc caagtctcag gggcctgtgc agtgactgat cattaccaac 180  
 atttcgaagt gagagatgct acataaagag cgtcatttcg agctttctctt gaaaagtgt 240  
 aaggtgagct accctgggac tgtattcctg aatggcaatg tgatggcaga gtcctgcagt 300  
 attaccactt gaggacttgt gcaccagggt tccaccacac ccacttcagg cccttggttc 360  
 agggatgtgc ccgtcatgga aataacaggt gctgtggctc tgctgggtttt ggctttcctt 420  
 ctctgtaacc ttccaatattc tttctccttc caggtactgt aaaccactta gtaattaatt 480  
 agttaataaa ttcatctcat cagcactttt aaaataatgt gctaggccac actgtcatgg 540  
 accccagata tacagcagca aacaaagcag ccatggtagc ttccctcagg gacgagtcag 600  
 tccagtggag gagtcatgata tgactcacca cacagatcga aaaatctyca caaattatga 660  
 gaagaatgct gagggaaagaa agaacatagg tggaccgcgt gctgagtcca ggcttactgt 720  
 cagagatcta tgcctggccag gccctgtgct aggcagcana ngacatggaa taaaatcaaa 780  
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 gttttatata tttccanct gtgagaaatt gggaac 876

<210> 324  
 <211> 1322  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (47)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1309)  
 <223> n equals a,t,g, or c

<400> 324  
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 cgctgcggcc gccgcggaat aataagccgg gatctaccat acccattgac taactatgga 120  
 agattatacc aaatagagaa aaattggaga aggtacctat ggagtgtgtg ataaagggtag 180  
 acacaaaact acaggtcaag tggtagccat gaaaaaattc agactagaaa gtgaagagga 240  
 aggggttctc agtactgcaa ttcgggaaat ttctctatta aaggaaacttc gtcattccaa 300  
 tatagtagt cttcagatg tgcttatgca ggattccagg ttatatctca tctttgagtt 360  
 tctttccatg gatctgaaga aatacttgga ttctatccct cctgtgcagt acatggattc 420  
 ttacttgtt aagagtattt tataccaaat cctacagggg attgtgtttt gtcacttag 480



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aagagtctctt cacagagact taaaacctca aaatctcttg attgatgaca aaggaacaat 540
taaaactggct gattttggcc ttgcagagct tttggaatac ctatcagagt atatacacat 600
gaggtagtaa cactctggta cagatctcca gaagtattgc tggggtcagc tcgttactca 660
actccagttg acatttggag tataggcacc atatttctgt aactagcaac taagaacca 720
cttttccatg gggattcaga aattgatcaa ctcttcagga ttttcagagc tttgggcact 780
cccaataatg aagtgtggcc agaagtggaa tctttacagc actataagaa tacatttccc 840
aaatggaaac caggaaagcct agcatcccat gtcaaaaact tggatgaaaa tggcttgat 900
ttgctctcga aatgttaat ctatgatcca gccaaacgaa tttctggcaa aatggcactg 960
aatcatccat attttaatga tttggacaat cagattaaga agatgtagct tctgcacaaa 1020
aagtttccat atgttatgtc aacagatagt tgtgttttta ttgttaactc ttgtctattt 1080
ttgtcttata tatatttctt tgttatcaaa cttcagctgt acttcgtctt ctaatttcaa 1140
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aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaggg cgcccgctng cgatctagaa 1320
ct                                     1322

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<210> 325

<211> 342

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (64)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (71)

<223> n equals a,t,g, or c

<400> 325

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aatcggcag agctaaaaa gattcaaacc ttgaagcaga tgaacgagca actgcaggct 60
gagnacaggg nccctgacccg agtggtggcc agactctcgg agtccatcga gtccctcgac 120
accaggagcg tctagttctk gccctactc tcacaactc tccctcctc cactactcca 180
ggcaggttca gtcttctgt tagtcccaga agctctgtgc tcactccctc catccagacc 240
tcataatgca ggttcctgca aagcttgggt atctgcagat ggaagcagcc aggactgaga 300
tcatagaatg gggacatacc agcctaggtc aaggaggcca gt 342

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<210> 326

<211> 3690

<212> DNA

<213> Homo sapiens

<400> 326

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ctggggagact cctcctctc ctcttctgc cattgcagtt ggacccagca gcccgcgccg 60
cacgcgtggc ttttggggcg agaccccgcg ggctgtggc aggagggcgg cgccggcgcg 120
tgcggtcgaa gaaggggacg ccgacaagag ttgaagtatt gataacacca aggaactcta 180
tcacaatttg aaaaagataag caaaagtgtt atttcagac actacagaag aagtaaaaat 240
gcgtccaatg cgaatttttg tgaatgatga ccgcatgtg atggcaaaac attcttccgt 300
ttatccaaca caagaggagc tggaggcagt ccagaacatg gtgttcccc acggagcgcg 360

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cgctcaaaagc tgtgtccgac tggatagacg agcaggaaaa gggtagcagc gagcaggcag 420  
 agtccgataa catggatgtg cccccagagg acgacagtaa agaaggggct ggggaacaga 480  
 agacggagca catgaccaga accctgoggg agctgatgcg ggtgggacct gttgcaaaagg 540  
 gcctctactc caagggggac ttggatctgg agctggtgct gctgtgtaag gagaagccca 600  
 caaccgccct cctggacaag gtggccgaca acctggccat ccagcttgct gctgttaacag 660  
 aagacaagta cgaataactg caatctgtcg acgatgtcgc gatgtgata aaaaacacaa 720  
 agagagctcc attgtccctg accatccacc tgacatcccc tgtgtcaga gaagaaatgg 780  
 agaaagtatt agctggagaa acgctatcag tcaacgacct ccggagcgtt ctggacaagg 840  
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 cgggcctcgt gatgccagat ggttctggca tttatgacct ttgtgaaaaa gaagccaactg 1140  
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 caagtgcgcc aagaaaccaa agaataaaaa cccagtggac tacaccgttc agatccacc 1320  
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 aatttctccc aactccaaaa cccaaagtgt ccgtgctgtg tccctgtgct tcaactgggt 2460  
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 ggttttggct ctgatacagc gttctttttt cagcaaaagc tgcactctgt ttgacttga 3420

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agattttgcg tttattcagg caaaaactgg tcaaaatggt tactacatga ttgttccca 3480
gaggtttgaa acatttcagt aaacttttta aaactttgat tgcatgatgt attttttttt 3540
tagaaaagta ttgtttgaga ataattgtctt ttataccag gaaaatagtt atccctgaatg 3600
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aaaaaaaaa aaaaaaaaaa aaaaaaaaaa 3690

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<210> 327

<211> 719

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (446)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (701)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (709)

<223> n equals a,t,g, or c

<400> 327

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gcaccacgcc gggggggcacg ctatacgcca ctacccccgg aggcaccagg atcatctacg 180
accgaaagtt cctgctggag tgcaagaact caccatttgc ccggacaccc cctgctgccc 240
tccctcagat tccgggggtc acaactcctc caacagcccc tctctccaa gtagggagac 300
tgaaggagca ggagacagag gaagagatac ccgatgacgc acaatttgaa atggacatct 360
aatccagtgc agatgacctg gcatgtggag ttacagaggg atccctcatg ccactgctgc 420
caccacacct ctctggggca tccaanagcc agctggcctc atctaactcg gaagggagtg 480
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aaacttgcaa gcccttaact ctacttcctc ttacgtctgt ggtactcctc ctaaccctaa 600
accctctatg ctacggggct ggaactgggg aatggagtaa gtcaccttct gactgctatg 660
taaacattca aagaaaaaaa aaaaaaaaaa aaaaaaacct nggggggggnc cccgtaccc 719

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<210> 328

<211> 989

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (176)

<223> n equals a,t,g, or c

<220>

<221> misc feature  
<222> (943)  
<223> n equals a,t,g, or c

<220>  
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<222> (968)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (982)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (984)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (986)  
<223> n equals a,t,g, or c

<400> 328  
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agtgactgca gggaaagctg caccgggcacc ggcgaccct gggaaagccg gggtccccg 120  
agttgcagct cccggagctc cggcgggcgcc tccaccggcg aaagagatcc cggagntcct 180  
agtggaacca cgcagccggc ggcgctatgt gcggggccgc ttttgggca agggcggtt 240  
tgccaagtgc ttgcagatct cggacgcgga caccaaggag gtgttcgctg gcaagattgt 300  
gcctaagtct ctgctgctca agccgcacca gagggagaag atgtccatgg aaatatccat 360  
tcaccgcagc ctccgccacc agcagctcgt aggattccac ggcttttctg aggacaacga 420  
cttcgtgttc tgggtgttgg agctctgccg ccggaggtct ctccctggag tgacacaagag 480  
gaggaagacc ctgactgagc ctgagggccc atactaccta cygcaaatg tgcttggtctg 540  
ccagtaacctg caccgaacc gagttattca tcgagacctc aagctgggca accttttctc 600  
gaatgaagat ctggaggtga aaatagggga ttttggactg gcaaccaag tcgaatatga 660  
cggggagagg aagaagacc tgtgtgggac tcctaattac atagctcccg aggtgctgag 720  
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gttagtgggc aaaccacctt ttgagacttc ttgcctaaaa gagacctacc tccgatcaa 840  
gaagaatgaa tacagtattc ccaagcacat caaccccgct gccgcctccc tcatccagaa 900  
gatgcttcag acagatccca mtgscggcca accattaacg rgntgcttaa wgacctccga 960  
tctttcgnc caaaaaaaa angnngnatt 989

<210> 329  
<211> 434  
<212> DNA  
<213> Homo sapiens

<400> 329  
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atgctaaata aagtacttca aactaggaat gtaaacctta taaagaagac tgtattaaag 120

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atgcccoctgc atactattat tccgttggtta caagagccta caaagagggt acaaggacat 180
cctaatagtg cctgtgctaata ggttcagtggt ctaaaatgtg tgttaacagt tcatgcatca 240
tacctgtcca cgttgccctga cctggtaacct cagctgggga cactctacca gttaatggaa 300
agcagagtca aaacttttca gaaactttca caccctcatg gaaagcttat tcttctaatt 360
acacaagtaa cagcatcaga gaagacaaag ggagcaactt cccctggaca gaaggcaaaag 420
ttggtgtatg aagt                                     434

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&lt;210&gt; 330

&lt;211&gt; 696

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (643)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (657)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (685)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 330

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aattcggcac gagccaccct ggacgaagcc acccccacc tcaccaacca aagccccgacc 50
ttaaccctgc agtccaccac cagcacacag cagagcagca gctccagctc tracggaggc 120
ctcttcgcgt cccggcccgc ccaclcgclc ccgcctggcg aggcagggcg tgttgagccc 180
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gtgacagcac cgtaggcagc cggagaatgc agcccaagca gggcctggca tggggcagga 300
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ctgcccaca gcaractctg tcccatggct ctccggcgag tagagtgtgt gagtgcagac 420
tggacctgtg gttctacctt tgtcaccacc cgggaagctg aaggccaact yctccagat 480
ggcctcagca ggaccatcgm cclttctcag agcagagggc caggtataga aaccgcagtg 540
ggcctgcaag ccgcccagag ctycccagca gcctcctaca gagcaggaag agggcgccct 600
gttgaacctt gagtgtttgc aggccagca gaccctgtg ttnccaagcg caccctngct 660
ttcgaacatt aacttcccta acttngggac agtagg                                     696

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&lt;210&gt; 331

&lt;211&gt; 541

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (181)

&lt;223&gt; n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (532)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (541)  
<223> n equals a,t,g, or c

<400> 331  
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actgctgcac ctggtgctgt ccatggggct gcagctgtac ggttcaggc agcggcasga 180  
ngccaggaag eagtgagggc tgcaaccggc cctgtgtcac cgcaggcctc cttggaggag 240  
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gccacgcctt gcggccamct gttctgtgg gagtgcatca mcgctgtggg cagcagcaag 360  
gcggagtgtc cctcctgcc gggagaaagt tccctcccca gaaagctcat ctaccctcgg 420  
cactaccgct tgaaccggcg ccggggttgg gccttggaca caaattgaac tctacgggaa 480  
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n 541

<210> 332  
<211> 305  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (3)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (54)  
<223> n equals a,t,g, or c

<400> 332  
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ctgacaagcg ctggggacag tggcgctcctt gtcttgctt tgtcgctccc gcccgctct 120  
tccctggctg ggcctggcga ggccttgtgt atgaacctga ctgagggtcc cctggcgatg 180  
gcagaaaatgg accctacaca gggccgtgtg gtctttgagg acgtggccat atatttctcc 240  
aggagagtg ggggcacttg atgaggtcag agattgtgt accgtgatgt gatgcttgag 300  
aat 305

<210> 333  
<211> 445  
<212> DNA  
<213> Homo sapiens

<220>

<221> misc feature  
<222> (14)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (409)  
<223> n equals a,t,g, or c

<400> 333  
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tggtgaatag agccoctsct aaggttgctc aggataaatc atttattaaa taggtctgct 180  
tatcaggagg ggcgtgaagg ctcccaaaag gaaatgctgg cactggggcc cagaagccag 240  
ggccttytaa ctctcggggg tgattttctc agtgaagttg caccctacaa agggaaatag 300  
gccmaagcgg gcacttcaac tgggaaggctg rtatcaggcg rttagacagc caiggcattt 360  
ctggcgttta gtctgggaat gggttggtag aggaggtggg acctatatng agggacttac 420  
cagtcceccg tttgattttt ggatg 445

<210> 334  
<211> 317  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (100)  
<223> n equals a,t,g, or c

<400> 334  
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tctgaaggat ttcagtgcct atcataacat ttgacatata gttggcactt ggtaggact 180  
gaatcaatga ataggagtta ttggttgctt attcagagcg ttgtgggagt tgtcatcccc 240  
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agtccctgg agggact 317

<210> 335  
<211> 1524  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1440)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1441)  
<223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1511)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1523)  
 <223> n equals a,t,g, or c

<400> 335  
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 actggaaatt ctcttgcctag ttaaaaaaca ttccaagatt aatgacactg agttcttcta 180  
 ctggagagag ttggtttcta aatgcctagc cgagtattct tctcctgaat gttgcaaaac 240  
 agatcttaag aagtgtgttt ggatcgttcc aagcgcgaca gcccagaacc tccacaacag 300  
 ctactatagt gttcctgagc tgccaacgat acctgagggg ggtgtgtttg atgaaagtga 360  
 aagtggagac tcttgtgaag atatgagttg tggagaggag agtctcagca gctctcctcc 420  
 cagtgtacaa gagtgcacct tctttttcaa ctcaaaagt gcacaaacac tgtgcttcc 480  
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 ggggaatagg tagtttctgt gtttagcccc catctagtca ggaattaata tactggaata 600  
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 tctcgtagat cttagctac tttggggagg aggggaagtg ctgataacct caatttgtta 780  
 cttttcaaga tttttaaaaa taactagtgt agcttatctt aaacatttta taaaccttc 840  
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 ccttaattgt ttatcataga tttcacccct cccctctctc agaagagtga gtatgtctct 960  
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 aatgctgcmf gattactrtt awttcoktgg aattwcytt cmgaakaggg rttgtatatg 1380  
 gtgccaagat tgaatatgaa gaaccgagat gttgagatat agtttaagca acttggtggn 1440  
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 cttaagctaa ntgtttactg ggna 1524

<210> 336  
 <211> 306  
 <212> DNA  
 <213> Homo sapiens

<400> 336  
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 tccctatcag aatttccctg acccccctat gttaagtgtc ttagccactc attgttaagc 180  
 caactgctaa aatcttagaa aaatatctca gccctctcct accccatccc ccacccccc 240  
 aagcttctag cttctctctac ctacagcaaa tggtaaaact ggtcagaagt tatattattt 300  
 actctg 306



<210> 337  
<211> 291  
<212> DNA  
<213> Homo sapiens

<400> 337  
atgcaataa aatcaagtca tagttaaact tgcttatgtc aacgattctg ttcttgcaag 60  
acctacctgg cctcaagaga aattatttct cagggcccaa cacattgggt tttatcagc 120  
acctaatga cctggggaaa gcagaatgcc taactccagc ctgtggtatt ttgttatggc 180  
aggctgagca gactaataca gactttaata tacagactaa aagtaagggt atgggaaag 240  
atacccttag tcaaaaaaa gaaagtagtt atgttaatct aagacagagc t 291

<210> 338  
<211> 1264  
<212> DNA  
<213> Homo sapiens

<400> 338  
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gcgccacagg gttggaaaaa caacattgat ccataaagcc agtgagggtt taaaaacctc 180  
tggtgtgcct gttcagtggat ttatatacca agaagtccga cagggaaggga gaagaatagg 240  
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gatggagccc tgctctgcga ggctgtatgc ctatgggggt atggaacctt gtgggctttt 780  
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aaaaa 1264

<210> 339  
<211> 759  
<212> DNA  
<213> Homo sapiens

<400> 339  
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gttgtgccta agacggccga gaacttttag cagtcttcga ccggagaatt caggaaagt 180

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gagaatgttc ccacaggccc caacaataag cccaagctac ctgtggtgat ctgcagtggt 540
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ctgtaataaa agtttttttg tatgcgtaaa aaaaaaaaaa 759

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<210> 340

<211> 2639

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (37)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (52)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1651)

<223> n equals a,t,g, or c

<400> 340

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aacagtgtag cactaaagga acccttctaga atgtacatag tctgtacaat aaatacaaca 240
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cattgtggat ttcatcttat atctgtggac catcctagtt tattctccca taagtcttag 480
aagctttatg gtgattattt tgaggttttc attctcgcat aaagacaatt gctgtcttca 540
tcagaaaaca gttggcataa gaattaaaca tatgaacatc aaaaaacatt ttataaaaaa 600
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&lt;210&gt; 341

&lt;211&gt; 1824

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1807)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 341

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ttaagtttgt ttatgtttga taaagaacac aatatataa caattttaag tctttgttaag 180
tgtttatgtt ggtataaaatc tctgtgcatt gctttaaagt tagaaaaaat agtagtttaa 240
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gatgaattca aagaagtatc attgtgaaca agggaaatgt cagtcagaa atattctctg 360
gaatataaaa caaagccttg actctgctgg cataggtctg agttttcata aactggagct 420
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ggcggtnccg tcgcatctca gaac 1824

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&lt;210&gt; 342

&lt;211&gt; 4531

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (30)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 342

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taaaagttag ctctattaaa aaaaaaaaaa a
                                         4531

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&lt;210&gt; 343

&lt;211&gt; 584

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 343

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tttttaattc ttgaaacttg gctttccata acatggtaca tgcttcagga ctacatatga 120
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caaaaccatt gtgtcaggag tcaaacaaat gtttagaaag caaacatgac gtctctatg 480
tacaacctcc tttctcttgg ctgtttaaaag gatgtacttc gtgtattaaa gggactctta 540
tgttgaagta aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaa
                                         584

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&lt;210&gt; 344

&lt;211&gt; 778

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (35)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 344

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gcctcagcct cccaacgtgc tgggattaca ggtgtgagcc accgtacctg gyagaaaaatg 180
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gagaagagga cccattaaaa ctttaaatat ctgtgggaac catttttctc gattttccct 300
tttttaacat catggcctaa atgggttttt ttccaacaaa atttaattta atactcttcc 360
acttgaagat tttaggtttg ttttcaatac ttaatgata taaaactaaa ggagaaaaagc 420
caacctgaaa taattttaaac tttatatgaa catttcgata agagtttttg gatttttct 480
gtagataata tatttgatcc rgaactcaag tgcattggaa catgattttg atttttaaaa 540
tctaaaaaaa aaaaaaatta aaatcatgct tccctctatt gcagtatcag ttatttagtc 600
acagaaaggt attttatgta aattaaaaat aggtgaatgc aatgcaggta actgggtttg 660
gaatgggaat gtgcagtgct ttatgtttgg ggagttggag cagggtatct tttcatcaat 720
tagaaggaaa rtttgaaact tctgattacc tttatgttgg gtteccctat tattttgc 778

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&lt;210&gt; 345

&lt;211&gt; 3740

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

<220>  
<221> misc feature  
<222> (223)  
<223> n equals a,t,g, or c

<400> 345

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<210> 346

<211> 446

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (408)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (427)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (442)

<223> n equals a,t,g, or c

<400> 346

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gcagacggag ccgcccgcga ggggcagcgg gacctcagcc accgctggag agagcggatg 300
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<210> 347

<211> 782

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (769)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (772)

<223> n equals a,t,g, or c

<400> 347

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ta 782

<210> 348

<211> 439

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (145)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (175)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (369)  
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<220>  
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 gtgagctggc tgttgaacca taggnatctt taaattgtgg cagtattagt actgntacaa 180  
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 accgtggatt tctctgactc tgtgtgtttt taatgaaaga gagtttgtga agcaactacc 360  
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 tgtatttcat tcagagtcc 439

<210> 349  
 <211> 2356  
 <212> DNA  
 <213> Homo sapiens

<400> 349  
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 ccgcgccggc cgcctgccgt tgggtgatctg gcatgggatg ggagacagct gttgcaatcc 180  
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 caattcccaa gtaacaacag tgtgtcaggc acttgctaaag gatcctaaat tgcagcaagg 360  
 ctacaatgct atgggattct ccagggagg ccaatttctg agggcagtggt ctacagagatg 420  
 cccttcacct cccatgatca atctgatctc ggttggggga caacatcaag gtgtttttgg 480  
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2356

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&lt;210&gt; 350

&lt;211&gt; 1219

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 350

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1219

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&lt;210&gt; 351

&lt;211&gt; 408

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (392)

&lt;223&gt; n equals a,t,g, or c

<220>  
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 <222> (397)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (405)  
 <223> n equals a,t,g, or c

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<210> 352  
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 <212> DNA  
 <213> Homo sapiens

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 tcttttggtt ctattattct aaa 1283

<210> 353  
 <211> 3229

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 353

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<210> 354

<211> 506

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (470)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (505)

<223> n equals a,t,g, or c

<400> 354

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tgtcaagcga atttctggcc ttatctatga ggagactcgy ggtgttctga aggtgttcc 240
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agcaatggat gtgtgtacg cgtgaagcg acagggagcg actctttacg gcttcgggtg 360
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<210> 355

<211> 742

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (80)

<223> n equals a,t,g, or c

<400> 355

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gakgrgtgtg agggatcaga ccaggaggca agtgaagccc aacgccacgc tggagaaaca 300
cttcctcacg gaagggcaca ggccaaggag cccacagctgt ctctcctggc cgccacagtg 360

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ggcctcacgc tgcagcagac ccagcgatgg ttccggagac gccggaacca ggatcgaccc 420
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gttgccaact tgttgcgat tt 742

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&lt;210&gt; 356

&lt;211&gt; 1695

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (24)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 356

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aaaaaaaaa aaaa 1695

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&lt;210&gt; 357

&lt;211&gt; 928

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 <213> Homo sapiens  
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 <221> misc feature  
 <222> (928)  
 <223> n equals a,t,g, or c

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<210> 358  
 <211> 1374  
 <212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc feature  
 <222> (1360)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
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 <223> n equals a,t,g, or c

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 gccctcactc ttcatgttca ctggggcctt ggacaagttg ttactgacta tgttcattgg 420  
 gatgcccttg agaaagctgc caaggcaggg cttttggcac ttacagcttt aacctttgct 480  
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<210> 359

<211> 4152

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (65)

<223> n equals a,t,g, or c

<400> 359

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aaaaaaaaaa aa 4152

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&lt;210&gt; 360

&lt;211&gt; 1156

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<400> 360
ggtcgcgagac acagtcgtgg gcaccatggg cctgaaggcc acggggccgnc tctgcaccgt 60
ggctaaggca aggggggtgc gagcctgcag gggagagctg agggacacca tctagactg 120
ggaggactcc ctgcccgacc gggacctggc actgcccgat gagccagcag gaacgccgac 180
ctgtccatca cgctgggtac atcgctgcag atccggccca gcgggaacct gccgmtggct 240
accaagcgcc ggrkaggccg cctggtcatt gtcaacctgc agccccccaa gcacgaccgc 300
catgctgacc tcgcgatcca tggtacgtt gacgaggta tgaccgggt catgaagcac 360
ctgggggtgg agatccccgc ctgggacggc ccccggtgct tggagagggc gctgccacc 420
ctgcccgcgc gccaccgcc aagctggagc ccaaggagga atctcccacc cggatcaacg 480
gtctatccc cgscggmccc aagcaggagm cctgcgcccc gcacaacggc tyararccc 540
ccagccccaa acgggagcgg cccaccagcc ctgcccccca cagaccccc aaaaagggtga 600
agggccaggc ggtccccagc tgaccagggt gcttggggag ggtggggctt tttgtagaaa 660
ctgtggattc ttttctctc gtggtctcac tttgtactt gtttctgtcc cygggagcct 720
cagggtcttr aragctgtgc tccaggccag ggtttacacc tgccctcgt ggtccctccc 780
tgggtctccag gggcctctgg tgcggttccg ggaagaagcc acaccccara ggtgacagct 840
gagccctctc cacaccccag cctctgactt gctgtgttgt ccagaggtga ggtctgggcc 900
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gaagtggggg atcagtagag gcttgcaact cctttggggc tggagggaga cgtgggtcca 1080
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aaaaaaaaaa aaaaaa 1156

<210> 361
<211> 376
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (371)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c
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<400> 361  
tgggaagtga tatttgggag ctaattgag cctanggtga aaaaggaat agcttcagat 60  
waaaaytaga aagaagcttt ctgagaaact gctttgtgat rtgtgcattc atctcacaga 120  
ggtaaatctt tcttttgatt cagcagtttg gaaacctggc taacatgggtg aacctgggtg 180  
ctactgaaaa tacaaaaaat tagccaggtg tgggtggcaca atgctgtaat cccagctact 240  
caggaggctg aggcaggaga atcgcttgaa cccgggaggt gggaggttac agtgagccaa 300  
gtttgtgcc a ctgcattcca gcctgggctt atagagtggg acttccgtct tcaaaaaaaaa 360  
aaaaaaaaa nctngn 376

<210> 362  
<211> 519  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (517)  
<223> n equals a,t,g, or c

<400> 362  
ccctaagcca tttttgaaga gaggacctgc cctagcttta tgacttaaga ccatgactat 60  
gcattctaaag ttgccccctc gactgggcag ctttctcctg aacacagtga ggaatgctaa 120  
gttacatgggt ccagtaamtg agtggatacc ctgagccccc gcatcccaact ggctgctatg 180  
cagggataag tccatgcacc tgtggatggc agtggttgag ctgggtctct ataaaaagtat 240  
ccagtgccca gacctttgtt cacacatgca tgtaaattta ctgggaaaac tctagagacc 300  
aatgttcttt ctccacaga aatctggcct agcagtctat tcttaaatgt ctcttttgtgt 360  
gtaagacaca tctgtttgat accccactct gccctgactt ttaggcaaat ccgttaggac 420  
aggaaccact attttcttct ctccctttg aatcatcttt taaagcagca gaggcaatgt 480  
tkggcagagg tccacatttg gaaagttagt gcatcanga 519

<210> 363  
<211> 1385  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1320)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1340)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1350)  
<223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1360)  
 <223> n equals a,t,g, or c

<400> 363  
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 ttcttctgcc cggggagtcg gcgcctccca cgccggacct ggaagagaaa agagcaaaagc 180  
 ttgcagaggc tgcagagaga agacaaaaag aggcctgcac tcgggggaatt tttagatgttc 240  
 aatctgtgca agaaaaagaga aagaaaaagg aaaaaataga aaaacaaatt gctacatccg 300  
 ggcccccacc agaagggtgga cttagggtgga cagtttcata aagcataaca tgagtagaag 360  
 aatctactgc caataactgt ttattatctg caatcaagtg ggcttcatac atttaatttc 420  
 ttctctttga gtaaatgaag attcagactt tgtaatatata ttgcccttaa gtgcaatgct 480  
 aaaaaaacgt tgattttcaa gcttagagaa tggctagact ttctattaaa tactgatttt 540  
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 ttaaaattcg cagttgtctt ttcatccttt ataaaatgat ctaactactt atatttgtgc 720  
 tgcatcgctg tacatctggt ttattttcac tatgaagatg ttgtattaaa ctatggagct 780  
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 gaaggagcac tgtaaatatt tataacttag taatgagtat tcttaggcag atgtaaaaatt 900  
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 gataaaggat tttttgtttg ctgaatttaa aattatatat tagtgatacc atcagagggc 1020  
 agtgatgttc tattgtatat taaattcagc tctgtaagga tctttagtag aattgaaatga 1080  
 gttaaactaa taactctggat gggttataat gagttagtaat atatttgcct atatttcata 1140  
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 accaaaaggg tctacttcca ggatattaaa aatattaggg gtaattctat taccatgccn 1320  
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 gtttc 1385

<210> 364  
 <211> 977  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (6)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (25)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (962)  
 <223> n equals a,t,g, or c

&lt;400&gt; 364

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ttgggggaac actgtttttc ctgcacatc ctgcatttgc tccccaagca atgtagaggt 180
gtttaaggg cctctgctg gctgagtggc aatactacaa caaacttcaa ggcaagtttg 240
gctgaaaaca gttgacaaca aagggccccc atacacttat ccttcaaat ttaagtata 300
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tcagaaatgt tttaaaaggg actttagctc tggaactcaa aatcaattta ttaagagcca 420
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tgtgacataa tagtattata attggttaag tagcttaatg attaggcaaa ctagatgaaa 600
agattagggg cttccacact gcataagata cagcacata gccacgata cacacacaga 660
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gaaacagagc tgcctgtgct ttctgtcaga gatggcaagg gctttttcag catctcgttt 900
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gngaaaaaga caaaaaa

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977

&lt;210&gt; 365

&lt;211&gt; 964

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 365

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gttcggcaca gaaagggaga tgggtagcat cattttgatt aacatttggg gctgataggt 60
ggaaatggtg aagcaatgga aaagaacaga caactaatga ttgtctcta tgtccagaat 120
attttaccct taaaaaaatg tcattggcac cataaataag gactgtgaga gactgtctaa 180
aagctgtgaa agtctgaaac ctataagcca aggtgttccc tgccataaact tattgtctgtt 240
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gacgaggagg gaaggtcttt tattggagag tatcacgtac aagcagatca ttctgacctta 360
gaggtgtctaa ttcccgaat tagaagacc ttctctttcc agtaacgaag ttataaata 420
cagcttggtc attccaaacca ctggctgagg tgttaggaag aggaagaggg tggtagagga 480
ggtaagacag tagggaaaga caagggccca tgctcttagt ggggaaaact ctggagccg 540
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catcagttct tgatatgtgc tagacttgca tctagagcta cgttgttaaa ttcttttagg 840
catgtgttag atttctgtgt aaactttggt taaatgtaaa ctctactata cattgtcagt 900
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ccgg

```

964

&lt;210&gt; 366

&lt;211&gt; 1297

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 366

```

gtggcttacg cctgtaatcc cagcactttg ggaggccgag gcaggcggat cagcaggtca 60
ggagttccag accagcctga ccaacatggc gaaaccccgct ctctactaaa aatacaaaaa 120

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ttagtctgggc gttatggcgg gcgcctgtaa tcccagctac ttgggagget gaggcagaag 180
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gtctggggcga caggagcaag actctgtctc aaaaaaaaaa atcattcttt ttagtcttag 300
cacctactta aggatccact tttagggtgc acccacattt gtttctagat ttacccctgc 360
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<210> 367

<211> 785

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (704)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (746)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (753)

<223> n equals a,t,g, or c

<400> 367

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agcccttgga ggaactgact cactgtgctg cgatttaggt ccggagaggc gttgtgaggt 120
gagctttttc agaagcgca tcccaggaca cgtcgggaag caagcatccc cagagctgct 180
tggaagaggg accaaagacg tctaaaaagt catttggaat tatctctaaa tatttgttac 240
catgtataag ctgctaaaga gaaattgggc ccaacaaaac taattgaata attgaggcag 300
atttgtgtgt atcatcaaat tctatccaga agttgaagaa tctgaattta aagattgtgt 360
gcatttaata agagatgac ctttcagttt aatttcacta tagaagacca tctggaaaat 420
gaattaacac ccattagaga tggagctttg accctggatt cctcaaaaag gctgtcagtc 480
tcagaaagtc aaaaaggaga agagagggac agaaaatggt ctgcagaaca atttgacttg 540

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cctcaggatc acttgtggga acataagtc atggaataatg cagctccctc tcaagacaca 600
gacagtccac tcagtgcaagc cagcagttca aggaacttgg gagccacatg ggaataacagc 660
cctccttgtag agctggcccaa aggrgcmgtgc targccttaa aggnnttaaa gaagrtgttt 720
aggaaatawa aagtctcttag gaaacnttta ccnggggttt ccmgyctgtt taagrtwttc 780
rgtta 785

```

&lt;210&gt; 368

&lt;211&gt; 920

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 368

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ggcagagctc atgccatcac agtatctgtt gcaaatraaa aggcactagc taagtgtgag 60
aagtacatgc tgacccacaa ggaactagcc tccgatgggg agattgaaac taaactaatt 120
aagggtgata tttataaaac aagggtgtgt ggacaatctg ttcagtttac tgatattgag 180
actttaaaagc aagaatcacc aaatgggtgt ctgtggctgt ggagatgaga gcaggatccc 240
agctgggagc tggatattcag catcacgcac aaccaagcgc caaaaagcca tgaactgaca 300
gtcccagtac tgaagaacaa ttttcatttg tgtggatgat ttctcgaaag ccatgccaga 360
agcagctctc caggtcatct tgtagaactc cagctttgtt gaaatcacgc gacctcagct 420
acatcataca ctgaccaga gcaagccttt ccctatgggt ccaagacaaa ctagtattca 480
acaaaccttg tatagtgtat gttttgccat atttaattt aatagcagag gaagactcct 540
tttttcacaa ctgtatgaat tttttataat gtttttttaa aatataatc atgtataact 600
ataaactaat tcacacaagt gtttgcctta gatgattaa gaagactata tctagatcat 660
gtctgatttt ttattgtgac ttctccagcc ctggtctgaa tttctaaag ttttataaac 720
aaatgctgtc atttattagc tgcaagaatg cacttttagaa ctatttgaca attcagactt 780
tcaaaataaa gatgtaaatg actggccaat aataaccatt ttagggaagt gttttgaatt 840
ctgtatgat atattcactt ctgacattt agatatgcca aaagaattaa aatcaaaaagc 900
actaagaaat amaaaaaa 920

```

&lt;210&gt; 369

&lt;211&gt; 834

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (533)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (831)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 369

```

cctagaacgc ttgtgcctcc gacgcccgca ggtcctcgcg gtgcgcacgg ttgtgcactt 60
ggtacttgga aaaatggaca aggattgtga aatgaaacgc accacactgg acagcccttt 120
ggggaagctg gagctgtctg gttgtgagca gggctctgac gaaataaagc tcctggggcaa 180
ggggagctct gcagctgatg ccgtggaggt cccagccccc gctgcggttc tcggaggtcc 240
ggagcccttg atgcagtcca cagcctggct gaatgcctat ttccaccagc ccgaggtcat 300
cgaagagttc ccctgctcgg ctcttcacca tcccgtttcc cagcaagagt cgttcaccag 360

```



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acaggtgtta  tggaaagctgc  tgaaggttgt  gaaattcggg  gaagtgattt  cttaccagca  420
attagcagcc  ctggcaggca  accccaaagc  cgcgcgagca  gtgggaggag  caatgagagg  480
caatcctgtc  cccatcctca  tcccgtgcca  cagagtggtc  tgcagcagcg  ganccgtggg  540
caactactcc  ggaggaactg  ccgtgaagga  atggctcttc  gcccatgaag  gccaccgggt  600
ggggaaagca  ggcttgggag  ggagctcagg  tctggcaggg  gccctggctc  agggagcggg  660
agctacctcg  ggctccccc  ctgctggccc  aaactgagta  tgtgcagtag  gatggatgtt  720
tgagcgacac  acacgtgtaa  cactgcacgc  gatgcggggc  gtggaggcac  cgcgtgtatta  780
aaggaaagtg  cagtgctcct  ggaaaaaaaa  aaaaaaaaaa  aagaaaaaaaa  naaa  834

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&lt;210&gt; 370

&lt;211&gt; 947

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 370

```

tggcaataga  atagctggat  acactaatct  ctacaagggt  tcaggcagga  gattcaccgt  60
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aaaagaaaaa  gctccctcag  attgtgttac  taggagtcct  ttttgtgaca  ttactgasc  180
tttctcccca  atcttacctt  cctattggct  actttttaa  taaaaataaa  cattttaggc  240
taaatgaca  aaaaatgagat  aaaatcttaa  aaacattgta  ctagtgtaca  gttactaaaa  300
tgtgcttact  acaaaacagt  aaaaatttct  actctgtaaa  tcatcactaa  gtagtatttc  360
tgtctctgtt  attatgagcc  tccaaaaaat  ttaaatgctt  gamggatggt  ttgggaggca  420
gggaatcctt  wtcttaaaac  ractktaatg  aggcataatg  tacatatcat  aaaacacca  480
tktcaagtgt  acatytcagt  gattttagta  acttccctca  gtgggtgtag  tgtarctatt  540
actcagttt  agawcatktt  tatcccccca  ataagatctt  catgctcwt  tacagttaac  600
ctgtgcttac  cccagcaaca  ctaactctact  tctctataaa  ttgcctttct  ggcagtcaat  660
catggaatca  tcatagtggc  cgtggtctgg  cttgtactag  aatggttgag  gttgtcagca  720
gtacgtctgc  actgtcgata  tgcggggaac  ggtgtgtggc  cattgctgcg  ggcttacatg  780
gtcatctgtc  tacgactcgc  gtgctatgga  cgtggtcaaa  ccattcggag  cgtctccggc  840
tcgagttttg  cttgtgtagg  ggcactgggt  cagtttgggt  ggagaggccg  gtccccgggg  900
aaactctgga  gactttgoga  gagccgctct  aqcccccct  ggtggct  947

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&lt;210&gt; 371

&lt;211&gt; 2340

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (316)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2301)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 371

```

ggcacagcag  gaactccagg  ttctgtctgc  cgtggcatcc  tctctccarg  tctgtccct  60
taccggagct  asgataasgt  agcatgartg  acacctgaga  tttagggctg  gggtcactg  120
caggctgtgg  agaggtcatg  ctggtccaca  ggaacacttg  gcagtgtctc  cgtagacccc  180

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tcggtgatgt ggaatggaca ggtgcctcgc aagagagcaa gcacgttcat acaaaaacag 240
caacacaaa acatgtttaag catgtttatt tatttgcctg ttttctgtgag 300
ctgtgggtcac agctgncacg gtacctaagc aagtcagttg ggtacacgag gacacgccac 360
cattccaggg tagctgttac cgccagaaac aggagtggtt ctgtcctgtg tgcagggcaca 420
ctgcagtgggt tttcctgcag ctctccaaac aacgcctgag tcacaggcca gagctgcctt 480
ggtatgttgt taagtccaaa actctctctc tgggctacct atctctcctc atgaagcagg 540
tgctcaggag ccggaagaat catctacctc ccagctttgt gagacagaa caagtaaaag 600
gaaaactagct agaaaaacgtg cctagagaaag acacttcaac ctttgctcta tccaaccctt 660
cttcagagaa aggtgtccca tggcccaaaa aagaactgcc aagttttgtg gaggagtaac 720
accctggcat gacattcctt ctcttctcctg gccctcaacc acttcctctc tttggctcgt 780
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ccccacaga gacctgtggg tgctcccagc agagttgaga ctggctccgt tgagttaatg 1200
actagaatat agtgctttca ctacttgatt gttaacctgt tttctctga tgcacatcag 1260
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tctctctctt gttaaaggag agaagtcact ttagctggat aatacctatg taacaaactg 1560
agcagctgtt atttgggcaa aatcaaagga agaaagagac tatggtcttc tatttatgtt 1620
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ccttagcttt gccaaactcca tcttccaaaa cttccagaaa tacctccctt tccagttcta 1920
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cacagggaac aaagccctga cctctctctc cacattacc ttacaaaaac aggccctccc 2040
catgagagag ctacacggca ggggcagaca ctgtgagtat aagctacttt cctccctgga 2100
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ccataaccaa agacagactt gtatgtttat ttgtattttt ttaataataa tacactttac 2280
attaaaaaaa aaaaaaaaaa ncgggagggg tggcctaaac caaaagttag agctaaacct 2340

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&lt;210&gt; 372

&lt;211&gt; 1575

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (58)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1492)

&lt;223&gt; n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1548)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1556)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1559)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1565)  
 <223> n equals a,t,g, or c

<400> 372  
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 agcggctctt ccgctctccg tccatgccct gcagcgtgat ccggcccatc ctcaagaggc 120  
 tggagcggcc ccaggacagg gacacgcccc tgacagaataa gcggaggcgg aggtgacccc 180  
 cctgaggag cagcaggagg ctgaggaacc taaagcccg gcctctccgt caaatcact 240  
 gtgtcacgat gagatcgaga acctcctgga cagtgaaccac cgagagctga ttggagatta 300  
 ctctaaggcc ttctctctac agacagtaga cggaagcac caagacctca agtacatctc 360  
 accagaaacg atgtgtggccc tattgacggg caagttcagc aacatcgtgg ataagtttgt 420  
 gattgtagac tgcagatacc cctatgaata tgaaggcggg cacatcaaga ctgcggtgaa 480  
 ctgtccctcg gaacgcgacg ccgagagctt cctactgaag agccccatyg cgccctgtag 540  
 cctggacaa agagtcaccc tcatcttcca ctgtgaattc tcatctgagc gtgggcccgc 600  
 catgtgcctt ttcacagagg aacgagacgg tgctgtcaac gactacccca gacctacta 660  
 cctgagatg tatatcctga aagcgggcta caaggagttc ttccctcag acccgaaact 720  
 ctgtgaaccc caggactacc ggcacatgaa ccacgaggcc ttcaaggatg agctaaagac 780  
 ctctccctc aagactcgca cctgggctgg ggagcggagc cggcgggagc tctgtagccg 840  
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 gaagccagct gccctatggg cctgcggggc tgaggggcct ctggaggcct caggtgctgt 960  
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 tagttaagtt gggtaataac cagctaaaag gcagtatttt gtgtcctcca ggagctctt 1140  
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 tgtcagctga ggtgggggga gagccgtggt ccttgaggat ggttcagagc taaactcctt 1260  
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 caccatacga gcacctccag cctgaacaga agctcttact ctttctatt tcagtgtaa 1440  
 gctgtgtctt ggtctgtttg amtttamygc ccactctcag ggcacamtct cntwagmtk 1500  
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 ccaanaaggg gaag 1575

<210> 373

<211> 1878  
<212> DNA  
<213> Homo sapiens  
  
<220>  
<221> misc feature  
<222> (1717)  
<223> n equals a,t,g, or c  
  
<220>  
<221> misc feature  
<222> (1764)  
<223> n equals a,t,g, or c  
  
<220>  
<221> misc feature  
<222> (1771)  
<223> n equals a,t,g, or c  
  
<220>  
<221> misc feature  
<222> (1773)  
<223> n equals a,t,g, or c  
  
<220>  
<221> misc feature  
<222> (1810)  
<223> n equals a,t,g, or c

<400> 373  
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ctggggccaga acagcccaag atggccgact tcgatgatcg tgtgtcggat gaggagaagg 120  
tacgcatagc tgctaaattc atcactcatg cacccccagg ggaatttaac gaagtattca 180  
atgacgttcc gctactactt aataatgaca atctcctcag ggaaggsgca gcacatgcac 240  
ttgccagta taacatggat cagttcacgc ctgtgaagat agaagatat gaagatcagg 300  
tcttaattac agagcacggg gacctgggta atagcagatt tttagatcca agaaaacaaa 360  
tttcctttaa attgaccac ttacggaaag aagcaagtga cccccagcca gaagaagcag 420  
atggaggctc gaagtcttgg agagaatcct gtgacagtgc ttaagagccc tatgtgaaag 480  
accattattc caacggcttc tgtactgttt atgctaaaaac tatcgatggg caacagacta 540  
ttattgcatt tattgaaagc caccagtttc agcctaaaaa cttctggaat ggtcgttgga 600  
gatcagagtg gaagttcacc atcacaccac ctacagccca ggtggttggc gtgcttaaga 660  
ttcaggttca ctattatgaa gatggcaatg ttcagttggt tagtcataaa gatgtacagg 720  
attcactaac gtgttcgaat gaagcccaaa ctgccaaagg gtttattaaa atcatagaga 780  
atgcagaaaa tgaglatcag acagcaatta gtgaaaaact tcaaaccaatg tcagatacca 840  
cattcaaggc cttgcgccgg cagcttcacg ttaccgcgac caaaatcgac tggaaacaaga 900  
tactcagcta caagattggc aaagaaatgc ayaatgctta aaggctgaat gtaggattct 960  
tcagtatgtg gaaagacaag gattcaacgt gtggtcatat gataaataag tgattataa 1020  
acaagagtgta tatttttgcta gggcttcaaa agttaaaccg ttttctagcc tcatggaata 1080  
ctgtgaaacc tatagcgttg tcttgattct tttgtgttct ctgccttgta attttctggt 1140  
actgctatat ctacgtgtta atcttttttt cttttttttt tttttttttt ggttaattct 1200  
gccacattta atgtgtgtga gagagtgtac tatcctaagt acattttact gtttaaaaaa 1260

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gtttectage catgaagccc tgctactgat ttagacaagg tattatgggc attactttgt 1320
accctatccc ttccaagcac ttctggtact tcagtcgttt ttactgatcc accaacacct 1380
aaagaggcta tgctacagtc tctagctaaa tggaagacac attcattcctt ctccctctga 1440
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attgtctect tcccatctta gtaccattgt agttattaaa accatctggc aatttttttt 1680
taazaaaagg caatttttta accccyattt tattttnttt taaaaacct ttccaaggaa 1740
actggctgga cctgactggt ggggnattgt nangaagggt aattaaaaaa ctttggaaaa 1800
aaaatgcagn aattggtttt ggaaaaaagg gggaaattaa ttagggtatt ctttggggct 1860
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<210> 374

<211> 846

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (703)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (747)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (786)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (797)

<223> n equals a,t,g, or c

<400> 374

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gtgcattcaa tgctctggtt accttctgca tcagagacct cattggctgt ctccagaagg 60
tctgttttgg aaaggttgca aaggatagca gcaggatgct gcagccgtcc agcagcccg 120
cttgggggaa gcttctgtgt gacatcaagg cttaacctggg ctcggccata cagctggtgt 180
cctgtctgtc ggagacgacg gtgttggcgg ccgtgctgcg gcacatcage gtgctggtgc 240
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ggagcactgg ggaggagtct ctgcgggtgc tggctttcct ggtcctcagc agagtctgcc 360
ggcacaagaa ggacacttct cttggccccg tcttcaagca aatgtacatc acgtatgtga 420
ggaactgcaa gttcacctcg cctgggtgcc tcaccttcat cagtttcagt cagtggact 480
tgacggagct gctggccctg gagccgggtg tgacctacca gcacgecttc ccttacctcc 540
gccagctcgc catcacacct cgcaacgccca tgaccaccgg caagaaggaa acataccagt 600
ctgtgtacaa ctggcagtat gtgcactgcc tcttctgtgt gtgcgggtgc ctgagcactg 660
cgggccccag cgaagcctcc agcccttggt ctaacccctt tgnccccagt catcattggc 720
tgtatcaage tcatccccaw tgcccgnctc taaccggctg cgaatgcamt gcacccgtgg 780

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ccctgangsytg ctctctynggg gaagcttcgg ggggsetttc atcccgggtg ctggcctttc 840  
aatcct 846

<210> 375  
<211> 657  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (14)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (618)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (634)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (646)  
<223> n equals a,t,g, or c

<400> 375  
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tgtgattgaa gaagtcggct ctgggctcca gtgcgggaat cacacacata cctcagaatg 120  
ccgggtctaa gttgtagatt ttatcaacac aaatttcctg aggtggaaga tgtagtgtatg 180  
gtgaatgtca gatccattgc tgaatggggg gcttatgtca gcttgctgga atacaacaac 240  
attgaaggca tgattcttct tagtgaatta tccagaaggc gtatccgttc tatcaacaaa 300  
ctatccgaa ttggcaggaa tgagtgtgtg gttgtcatta gggtggaaca aaaaaagga 360  
tatattgatt tgtcaaaaag aagagtttct ccagaggaaag caatcaaatg tgaagacaaa 420  
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accaaggatg agcagctgga aagcctattc cagaggactg cctgggtctt tgatgacaag 540  
tmcaagarac ctggatatgg tgcctatgat gcatttaagc atgcagctya grmcccatct 600  
aatttggaa aggttaanat tgaatgaaa attnaacggg aaaggnctca ttaataa 657

<210> 376  
<211> 695  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (39)  
<223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (56)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (103)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (647)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (653)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (662)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (680)  
 <223> n equals a,t,g, or c

<400> 376  
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 gcttttgggtg agcaataaat ctttttaac acctgggtgc agncaggctg agtccacaaa 120  
 gagagtcagc taaggagagat aggggtctctat gaaggggtgg ggtcgtttta taagatttag 180  
 gtaggtaaaag gaaaattaca gtcaaaagggg ggttgttctt tgggtggcag gagtgggggt 240  
 cacaaggtgc tcagtggggg agattttttg agccaagata agccaggaaa aggamtttca 300  
 caagktaatg tcatcagtta aggcaaggac tggccatttw crcttctttt gtggtggaat 360  
 gtcacagatt aaggyrgggc agggcatwtt cacttctttt stgattcttc agttacttca 420  
 ggccatctgg gcgtrtacgt gcawgtcata ggggatgcga tggcttggtc tgggctcaga 480  
 ggccctgacat tcccaagag aatacgaagc taagtgaagg aagagatttt ttatgtttc 540  
 attcctagtg ctgtgtgggc acttagcaaa taattttaga acaaatgaat acactttgcc 600  
 agatttaata gagaagtttt tacttactga agttggaaga ttgtangtg ttnccactgc 660  
 cnccatggac agtaatgtan ggatttaaag gcagg 695

<210> 377  
 <211> 3610  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature

&lt;222&gt; (29)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 377

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&lt;210&gt; 378

&lt;211&gt; 223

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (68)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 378

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agaagttggg ctctctaatac attgaaaaac catgaattca taktgatggg ttcccaaaag 180
ccaaaccaac ccaaccaaac atgttatttg gtccctccttg gaa 223

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&lt;210&gt; 379

&lt;211&gt; 809

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (171)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 379

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ggggatccgc ggcatgacg gtgccgttcc gccgcttctc gctgtctcgc ggcgcgcttg 120
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<211> 2550

<212> DNA

<213> Homo sapiens

<400> 380

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 ccttaaaagggt ttgaagccaa aagccgaagt agcaaaaatg agacgaagg gcggggcagc 240  
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<210> 381

<211> 1268

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1259)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1262)

<223> n equals a,t,g, or c

<400> 381

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<210> 382

<211> 854

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (794)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (807)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (817)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (835)  
 <223> n equals a,t,g, or c

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<210> 383  
 <211> 1091  
 <212> DNA  
 <213> Homo sapiens

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1091

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<210> 384

<211> 1029

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1014)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1015)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1026)

<223> n equals a,t,g, or c

<400> 384

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1029

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<211> 583  
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 <213> Homo sapiens  
 <220>  
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 <222> (551)  
 <223> n equals a,t,g, or c  
 <220>  
 <221> misc feature  
 <222> (574)  
 <223> n equals a,t,g, or c

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 ctacgaactt cgttacttcc agattagtcg agatgaagat gaatcagagt cggaggagcta 420  
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 <220>  
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 <222> (2167)  
 <223> n equals a,t,g, or c

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&lt;210&gt; 387

&lt;211&gt; 689

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 387

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gagctcggat  ataattcagt  gtccgttaat  ccatgaaga  gaagctcatc  agaataagg  660
caatgaattt  gtgcyaaaaa  aaaaaaaaaa  689

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&lt;210&gt; 388

&lt;211&gt; 798

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

<220>  
 <221> misc feature  
 <222> (215)  
 <223> n equals a,t,g, or c

<400> 388  
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 gccaaaaagg ctgggggtac gcctcgtaag gcktcgggtc ccccggtgtc agagctcatc 180  
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 caactccgaa gaagagcgcct aagaaaaacac cgaagaaagc gaagaagccg ccgcggccac 540  
 tgtaaccaag aaagtggcta agagcccaaa gaaggccaag gtgcggaagc ccaagaaagc 600  
 tgccaaaagt gctgctaagg ctgtgaagcc caagggcgcct aagcccaagg ttgtcaagcc 660  
 taagaagcgc agccccaagaa gaaatagcga acgcctactt ctaaaaccca aaargctctt 720  
 ttcaagagcca ccaatgatct caataaaaga gctggataat ttctttaaaa aaaaaaaaaa 780  
 aaaaaaaaaa aaaaaaaaaa 798

<210> 389  
 <211> 1691  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (436)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1575)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1630)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1636)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1651)  
 <223> n equals a,t,g, or c



<220>  
 <221> misc feature  
 <222> (1664)  
 <223> n equals a,t,g, or c

<400> 389  
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 gttctctcac aacctcagag gggcaaaaac cctccccagg aaggagaggag gtgttcaggaa 360  
 gccagacttt tggagagaag gcagctccca gcctgctggg tgaccgcoat tctgctgtg 420  
 ttccccagct gggcanggtc ggaagcctta cgtatgaagc atggagaagc agccattgtc 480  
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<210> 390  
 <211> 454  
 <212> DNA  
 <213> Homo sapiens

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 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (444)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (451)  
 <223> n equals a,t,g, or c

<400> 390  
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 tgggtcoactg gtgtttgagg attttgctaa cctgacgcgc ttgtcaagg aagagctgag 180  
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<210> 391  
 <211> 807  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (527)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (586)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (735)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (805)  
 <223> n equals a,t,g, or c

<400> 391  
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 gcgcggagaa gaacggggag ccagcatcat ggcagaacag gatgtggaaa acgatctttt 180  
 ggattacgat gaagaggaag agccccaggc tcctcaagag agcacaccag ctccccctaa 240  
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 gatgagctgc attccccagg ccatactggg catggacgtc ctgtgccagg ccaagtcogg 420  
 gatgggcaag acagcggctc tctgtctggc caccctacag cagattgagc ctgtcaaacgg 480  
 acaggtgacg gctcctgtca tgtgccacac gagggagctg gccttcnaga tcagcaagga 540

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atatgagcgc ttttccaagt acatgccccag cgtcaaggtg rgtcyntcgg ccagactgga 600
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ccaagcttgg caaggggcagc tgcccttgaa ggttttcagt ggtttttgct ccttaaaagc 720
ctgattgaat tatgnatggt ctcccagggg cctgcgccag ttcccagcct ggggtgcct 780
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<210> 392

<211> 927

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (916)

<223> n equals a,t,g, or c

<400> 392

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caaaaccag cagactgtac tttagattgt ctaaatccat tctcaaatc caaatatcac 360
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tccagcctgg gcaacgtagt aaaaacctca tctatacaag attttaaaaa taagctgggc 780
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<210> 393

<211> 1023

<212> DNA

<213> Homo sapiens

<400> 393

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gagcatcact agactgatct attttaaacat tgggtggggg cagcgaggac atgggttttaa 240
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aaagctgagg cagatgagat ttttcaagag ttggagaaa aagtagaata ttttacaggt 660

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ataaagatgg ctgtgaccac atcgggggagc accgagatga tgaagagaa ctggccctg 720
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aaa 1023

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<210> 394

<211> 822

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (550)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (788)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (813)

<223> n equals a,t,g, or c

<400> 394

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tggtagaattt caggcccgat tgctaaattt tgtggcatct tcctctagtc ctccccacct 360
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<210> 395

<211> 1702

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

&lt;222&gt; (1694)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1696)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 395

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gcttcttttg tttctgatta tgtttctgc agagagacac gggctcaagg aaccacaagag 60
agtggaaagaa ctgcaaaaac agattgtaaa ttgtctcaaa gaccacgtga ctttcaacaa 120
tgggggggttg aaccgccccca attatttgtg caaactgttg gggaagctcc cagaactctg 180
taccctttgc acacaggggc tacagcgcat tttctacctg aaattggaag acttggtgcc 240
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aagcacttca aaggaactgg aatgataatg gaaactgtca agagggggca agtcacatgg 360
gcagagatag ccgtgtgagc agtctcagct caagctgccc ccattttctg taacctctct 420
agcccccttg atccctaaag aaaaacaamca aacaaacaaa aactgttgct atttctaac 480
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ctacacacaa tacagtggta taaacttttt attctcagtt taaaaatcag ttgtgtgttc 600
agaagaaga ttgctataak gtataatggg aaatgtttgg ccattgtctg ttgtgtcagt 660
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aaaaaaaaa aaaaaaaa aaaaaaaa aaaaaaaa aaaaaaaa 1680
aaaaaaaaa gggngnccgt tt 1702

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&lt;210&gt; 396

&lt;211&gt; 858

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 396

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aagagggggc taaatttgat gctttaactg atctccaaca gttgacaggt catccttgcc 120
agtgtataaa ctgaaaaagg acttttctac caggatgac cttttaagtg aaaaactgaa 180
ttgttctaaa tggaagaaaa aaaagtgtca atctgtgcc ttcatgggg acatctctct 240
aggactgggt tggggacggg tgggaatgac ccctaggcaa ggggatgaga ccgcaggagg 300
aaatggcggg gaggaggcat tcttgaactg ctgaggatgg ggggtgtccc ctcacgggag 360

```

```

gccaaaggag gggagcagcc tagttggctt tggagagatg gggaaaggctt tcagctgatt 420
tgcagaagtt gcccatgttg gccccagcca tcagggtgtg ccgtggagct gccctgccc 480
actcacctgc ccgcctgccc gcccgcccgc atagcacttg cagacctgcc tgaacgcaca 540
tgacatagca cttgccgata tgcgtgtgtc cagaagggtg ccttggccga gcgcggaact 600
cgctcgccct ctatagtctc aagtgccacg tgaactatgc aatttaaagg gttgacccac 660
actagacgaa actggactcg tacgaactctt ttatatattt ttatacttga aatgaaatcc 720
tttgcttctt ttttaagcga atgattgctt ttaatgttg cactgattta gttgcatgat 780
tagtcagaaa ctgccatttg aaaaaaagtt atttttatag cagcaaaaaa aaaaaaaaaa 840
rakcaaggw tttcattt                                     858

```

<210> 397

<211> 1110

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (225)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (996)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1100)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1106)

<223> n equals a,t,g, or c

<400> 397

```

cggctgggct gcggaaacgc ggcgggtccg gttccgcggc ccaggcagag ggactctgca 60
agcaatggct gcagcgcgcc tggcaagagc ggcgcctgct gctcggggag ccgcgcctaca 120
cgctgctggt ggcgcctgct ctctgcctgg cggaggtggg catcaccttc tgggtcatctc 180
acagggtggc atacacagag attgactgga aggcctacat ggccnaggta gaaggcgctca 240
tcaatggtac ctatgactat acccaactgc aggtgacac cggaaccactt gtgtaccacag 300
ctggtttctg gtacatcttt atgggggttg actatgccac cagccgaggc actgacatccc 360
gcattggccc gacatctttt gctgtgctct acctggctac cttgctgctt gtcttcttga 420
tctatcacca gacctgcaag taacctccct togtcttttt ctctcatgtgc tgcgcctctt 480
accgtgtcca ctccatcttt gtgctgcggc tcttcaatga ccagtgggcc atggtgctgc 540
tcttctctag tatcaacctc ctgctggccc agcgtgggg ctggggttgc tgctttttca 600
gcctggcagt ctctgtgaag atgaatgtgc tgctcttcgc cctcggggtta ctgtttcttc 660
tctcacaca gtttgcttc cgtggggccc tcccaagct gggaatctgt gctggccttc 720
agggtgtgct ggggctgccc ttcctgctgg agaaccocag cggctacctg tccgctcct 780
ttgaccttgg ccgcacagttt ctgttcactt ggacagtga cttgctcttc ctccagag 840
cgctcttctt gcatcgagcc ttccactctg cctgtgtgac tgcccaacct accctgctcc 900

```

```

tgctgtttgc cctctgcagg tggcacagga caggggaaag tatcttgcg ctgctgaggg 960
atccctccaa aaggaagggt ccaccccagc cccttnacac ccaaccagat cgtttttaa 1020
ccttttcaac tccaatttca ttgggsatct ggtttcagc gkttccctcc attaacagt 1080
tttaagggtt gggtattttn caaaanattg 1110

```

<210> 398

<211> 864

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (823)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (830)

<223> n equals a,t,g, or c

<400> 398

```

gcggcacgtg gcgcgggtgc ggggcgtgga gtggcgtggc gtggagtggc gtggcgtggc 60
ggggtctcgc ggcgcggggc gcaccccgga gctgtggacg gagagtgcct ccctctgggc 120
tcagtttccct catgtttag tagcggacat ggcccgggac ggccscogag acgcgcccg 180
gcaacctcac gcgcagcctg ggggcctcag cgactgggac gggaccaagg ggctcgggga 240
ttctcctcgc ccccgccctt ggtgcgtgac tgacctctct gtccccagag cccccagcgc 300
argccgggat gttcgtcctg gtggaatgg tggacaccgt ccggtatccc ccttggcgag 360
ttgagaggaa gctcaacgac tccattgccg aggagctgaa caagaagtgt gccacaagg 420
tcgtgtacaa cgtgggactc tgcatttgtc tgtttgatat caccaaactg gaggatgcct 480
atgtattccc tggggatggc gcatcacaca ccaagtcca ttttcgctgc gtgggtgttc 540
atccattcct agatgagatt ctcatgtgga agatcaaaag ctgcagccca gaaggagtg 600
acgtctctct aggccttctc gatgacattc tcatccccc agagtcactg cagcagccag 660
ccaagtctga cgaagcggag caggtgtggg tgtgggagta cgagacggag gaaggagcac 720
acgacctcta catgacacc ggcgaggaga tccgcttccg ggtggtggac gagagctttg 780
ttgacacgtc cccacacarg cccagytcag cagatgccac cantttccan tgargagctg 840
ccaaagaagg aggtcccggt acac 864

```

<210> 399

<211> 271

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (251)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (263)

<223> n equals a,t,g, or c

```

<400> 399
tggattttta taaggccaga catttacctc tggtaacttc ttgagccatg tgtttcattt 60
ttatgctcac agaataattt ggtgtaattg ggcttatyaa cccaaatttc agaactttaa 120
attcatgtat ctttttttac actgatgact atactcaaaq catcttactt taattatata 180
aatgtatata ctgtctttct caactggggt ttcaagagag aattaagccc aaaaaaaa 240
aatttgtgtg ngcttatttt cttcattttt c 271

```

```

<210> 400
<211> 925
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (635)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (844)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (900)
<223> n equals a,t,g, or c

```

```

<400> 400
ctcgtgccga attcggcacg agcasgagcg cgtgctcagt gtgctgggta cagncgactc 60
cgggacaggg ggtctcggcc gtcggcgta tggtttcgcg cgtgcagctc ccgctgaga 120
tccagctggc tcagcgccctg gcggggaaag agcaggtgac ccgggaccgg gcgggtgagga 180
agctccggaa atacatcgtc gccaggactc agcggggccgc agtggtttta cgcacgacga 240
gctgctgaag gtgtggaaaag gactgtttta ttgcattggt atgcaggaca agccactcct 300
ccaggaaqaa ttagggaagga ctatttccca gctcgttcac gcttttcaga ccacggaggc 360
gcanacctgt tccttcaggc cttctggcag accatgaatc gcgagtgagc gggcattgac 420
aggtctgcgt ggataaattc tacatgctca tgcggatggt cctgaacgag tccttgaaag 480
ytctgaagat gcaaggctgg gaagaaagac agatcgaggga gctgctagag ctgctgatga 540
ctgaratcct gcaccccagc agccaggccc ccaacggtgt gaagagccac ttcacgaga 600
ctttcctgga ggaagctgacc aaagtgggcg ccgangsagc ttacggcaga ccagaacctg 660
gaagttcac gacccttctt gcagaatcgc tgcccgagacc aaggattcct tggttttgaa 720

```



```

caacatcact cgaggcatct ttgagacgat tgtggagcag gccccgcttg ccattgaaga 780
cctcctgaat gaactggaca cacaggatga ggaggtggcg tcggacagtg atgagtcctc 840
tganggcggg gaacgttgag acgcgctgtc ccagaaagag tctgagaagc cgccccgagn 900
ttccatctgc agggctgaac ctgag                                     925

```

&lt;210&gt; 401

&lt;211&gt; 1085

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (774)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1080)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1085)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 401

```

cggacgcgtg ggtgctgggg ctgcagmgt ccctccgaga ccgcgaggtg ggtggagcgg 60
gtcttccttg aagggtgcga taaggccggg cgaggtgcct ggagtcctc tccccctccg 120
cgaggaagag atctaattgg gtagggcggg tgtagactag cctgccgagc cgcccgcgtg 180
cacctgcagc ctccctggcg ccgcgcgggc ccgcgcgaga aagttgttaa agggagcgag 240
gtggtgttct ctggggtccg aggcgcgcct ctacgcctc gcccaacaga agccgcagtc 300
ccgtggggtc tggagacgca gtttccctgt aatgacaata aatccctgct cccctgcct 360
cagacatcta cgcagcgaaa tcgagcctgg ccttgagggg ccacaccgag aggggaagatg 420
cgtgcgcccc ttccagagcc taagcctgga gacctgatt aratttttcc ccctttctac 480
agacactggg ccactctatgt tggcgatgga tatgtggttc atctggcccc tccaagtga 540
gtgcgaggag ctggtgcagc cagtgtcatg tccgcctga ctgacaaggc catcgtgaag 600
aaggaaattgc tgtatgatgt ggccgggagt gacaagtacc aggtcaacaa caaacatgat 660
gacaagtact cgccgctgcc ctgcagcaaa atcatccagc gggcgaggga gctggtgggg 720
caggaggtgc tctacaagct gaccagtga aactgcgagc actttgtgaa tganctgcgc 780
tatggagtgc ccgcagtgga ccaggtcaga gatgtcatca tcgctgcaag cgttgcagga 840
atggccttgg cagccatgag ccttattgga gtcattgtct caagaacaa gcgacaaaag 900
caataactga aaaagactgt cctgtcacgc atgactttat acatcaaggg ggtcttgttt 960
tgctagagag ttgtgggttt ggtttgtgga ttctattgtg atttataata aggtttattt 1020
tcacagaata aaataaaqca aaacgaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1080
ggggn                                     1085

```

&lt;210&gt; 402

&lt;211&gt; 348

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

<220>  
 <221> misc feature  
 <222> (65)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (149)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (308)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (343)  
 <223> n equals a,t,g, or c

<400> 402  
 ctttcccaaa cccccgggsc cgggggggttt gggccccgggg gcccccgggc ctttccttta 60  
 aaggnaaaac ccttwaaggg ttgggggaaa ttcccccccc ccgggggggg gccctttgcc 120  
 caaaggggaa aaattttccg gggggccaanc cggaaaggcc ccaaaaaagg ttccccccgg 180  
 ggaagggaatc ccgggttgga attgttaaaa ccaaaagggg aattttgaag gccggaatt 240  
 cgggttgccc cccaacttcc cccaacattc ccgggggggac ttggggggctg gaacgatgcc 300  
 ttgggaagcct tcggcaagct tcgcaaggct ggttggtcag ctngcgca 348

<210> 403  
 <211> 1470  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (4)  
 <223> n equals a,t,g, or c

<400> 403  
 tggngctcca ccgcggtgac gaccgctcta gaactagtgg atccccggg ctgcaggaat 60  
 tcggcagagg cagwgccggc gtggcgggcc gcccgaggcg gaggcgagg aagggggckg 120  
 cgagctcgtgc gaggctgcc ttctcactca gcattatgga tccaagcctg ttgagagaaa 180  
 gggagctgttt caaaaaacga gctctttcta ctctgtagt agaaaaacgt tcagcatctt 240  
 ctgagtcattc atcatcatcg tcaagaaga agaaaaacaa ggtagaacat ggaggatcgt 300  
 caggctcttaa acaaaattct gatcatagca atggatcatt taacttgaaa gctttgtcag 360  
 gaagctctgg atataagttt ggtgttcttg ctaagattgt gaattacatg aagacacggc 420  
 atcagcgagg agatacgcat cctctaacct tagatgaaat ttggatgaa acacaacatt 480  
 tagatattgg actcaagcag aaacaatggc taatgactga ggctttagtc aacaatccca 540  
 aaatgaaagt aatagatggg aagtatgctt tcaagcccaa gtacaacgtg agagataaga 600  
 aggcctact taggctctta gatcagcatg accagcgagg attaggagga attcttttag 660  
 aagacataga agaagcactg cccaattccc agaaagctgt caaggcttgg ggggaccaga 720

```

tactatttgt aaatcgctccc gataagaaga aaatactttt ctccaatgat aagagctgtc 780
agtttctctgt ggatgaagaa ttccagaaac tgtggaggag tgtcactgta gattccatgg 840
acgaggagaa aattgaagaa tatctgaagc gacaggggtat ttcttccatg caggaatctg 900
gaccaaagaa agtggccctt attcagagaa ggaaaaagcc tgcttcacag aaaaagcgac 960
gctttaagac tcataacgaa cacttgctgt gagtgctgaa ggattactct gacattactt 1020
ccagcaataa gggacaagtt ttgcccgtga acagagttac agatacacia tcaagagtgt 1080
tcttgctgat gctcgggggtc tgaagactgt cttccctatct gcttctgtcg gctgaggaga 1140
ggagcagttc agtttacaaa acaagtgcac attaccaaac tcaaaagctta tttagtagta 1200
atgggctcat gggcaatgtg atgttccctg ttaacctctt gttactccct gggagaaaag 1260
cgctgagcgt ggcacgcagg tgtctttgct gtgtttttct ccacttctaa atgggttctg 1320
gttcttttct tctctgtttg ttactttaga gcaagtttgc ccatagtctt gaatgcaata 1380
ttgttttatt ccaaaaagac atatttataa taaaactcact gtagaaggat taaaaaaa 1440
aaaaaaaata aaaaaaaa aggggagggg 1470

```

&lt;210&gt; 404

&lt;211&gt; 2487

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (78)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 404

```

ttcggccgcc ggtcctccct ccacctccct ctcggccccc cctcgcttcc ctctccccc 60
gtcccgagct ccggcgtngt cccggccacg ctgcagctgt ctgcaggaac aaaggaaagac 120
cccgccggcg ccggcgccca cctccgctgt ctgctccgac ccgctcccgcc ccgctggcg 180
cggcaccagg gcgcccggct cagccttccc ggaggccctg gcccgccctc atcgctgccg 240
cttcgcgcgc gaacccggct ttgcatttgc ggacctctga gccagaaaaa tatggctcag 300
gagactaac agaccccggg gcccatgctg tgtagcacag gatgtggctt ttatggaaat 360
cctaggacaa atgggaatgt ttcatgttgc tacaagaac atcttcagag gcagcaaat 420
agtggcagaa tgagcccaat ggggacagct agtggttcca acagtcctac ctcatgattct 480
gcactctgtc agagagcaga cactagctta acaactctgt aaggtgctgc tggcagcaca 540
tctgaaaaat caagaaatgt gcctgtggct gccttgcctg taactcagca aatgacagaa 600
atgagcattt caagagagga caaaataact accccgaaaa cagaggtgtc agagccagt 660
gtcactcagc ccagtcctac agtttctcag ccagctactt ctcatagatga agaaaaagct 720
cctgaattgc caaaacaaaa gaaaaacaga tgtttctatg gcagaaaaaa agttggctct 780
acagggttgc actgcccgat tggaatttgc ttttgtggac ttcaccgtta ctctgacaa 840
cacactgtc cgtatgatta caaagcagaa gctgcagcaa aaatcagaaa agagaatcca 900
gttggtgtgg ctgaaaaaat tcagagaata taaattactt ctgtgaaga gactgaaact 960
ttgttttatt tttaatatat cgtaggaaaa cattaaagag cagatgcagt gccattttt 1020
tttgatgttc tccagagttt tacattacac ttgtctgtct tataattgat attttaggat 1080
gttggtgtgt ttgttacagg cagaatttga tagatacagc cctacaaatg tatatgcctt 1140
ccctgaaaaa aaattggatg aaaaatctga cagcaaatgt aaacacacag ataattaggaa 1200
caaaatgtag ttcccatgtg ccaaacaaaa taaatgaaat ctctgcattt ttgcagcata 1260
tctgcctttt ggggaattga tcaaggatata atcttctgct agtgattatg gcctgtattt 1320
ttttaaagt gtacaccaga aaaggactgc cagctctactt ctaccatagt taaacttcaa 1380
cctctttaat ttcacacat atcttttga agcaggaaga aatgctcata aagaggtata 1440
gaactctttt cccgtgaaac cagtatttgc gcattatata aagcctgtgt aaattgttca 1500
tctaaagctg tcaaatgaaga cattctgtga aaggttaaca tcgaaactgc ttataagtaa 1560

```

```

aaccatcaag ccaacaacag ggtcttgaga taacctttga agcttattgt actggcctgc 1620
accagaagat gtctgcatta ctcatgtcta aaaatgtgta gcacagaact gcactaggat 1680
taatttgttt acaagaagaa atttaaacctc tacgtttgggt ttccacatcac agcagctccta 1740
ttgaataaca tgcactctgaa ttttaagtgc caaaggtatc tgaataaatt ttcatgtgca 1800
tcttttctgc aatgttttgg ttcaagaaag aatgttttaa gcttttttaa agacttcagt 1860
tcttaagtta actgtaccct tctgcatgga aaatcataac caacatggct gcagtagact 1920
tcttagtggt atccagrcct acttgacagag ggctgcttta tcatattgta cttgggtgta 1980
ggactctagt gttcttgggt gtattgcatg ggctgcatta tctacagcat tgcatactaa 2040
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taatggaagg ttttttggta tgtatgaac ttgtgttttt tatatataaa tgagatagat 2160
tagtggtgtg gtaatgcctg ttttcatctg taaatagtta agtatgtata cgaggcacta 2220
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ttgctttcaa ttttatgtac cttagttctg agtttagacct gcagatgtgt acagatagtt 2340
catattatg tattgcacat aatcatgcta ttcagcattg atgctatatt gtattatgta 2400
aataataaaa gccatgtaca gagggaaaaa aaaaaaaaaa aaaaaaaac tcgagactag 2460
ttctctctct ctctctctcc tcgtgcc 2487

```

&lt;210&gt; 405

&lt;211&gt; 1256

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1180)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 405

```

ggcctcctgc ctgtagtggt tgggctgggg ttgggtgcgag ctccagctt ggccgcagtt 60
ggttcgtagt tcggctctgg ggtcttttgt gtccgggtct ggcttggctt tgtgtcccg 120
agtttttgtt ccgctccgca gcgctcttcc cgggcaggag ccgtgaggct cggaggcggc 180
agcgcgtctc ccggccagga gcaagcgcgc cggcgtgagc ggccgcggca aagcctgtgg 240
ggagggggct tcgcagatcc ccgagatgcc ggagtctctg gaagaccctt cgttctgtac 300
aaaaagacaag ttgaagagtg agttggctgc caacaatgtg acgctgccgg ccggggagca 360
gcgcacaagac gtgtacgtcc agctctacct gcagcacctc acggctcgca accggccgcc 420
gctcccctgc ggcaccaaca gcaaggggcc cccggacttc tccagtgcag aagagcgcca 480
gccaccctgc tctctcggct ctggggccgc cgccgcgggc cggagccgag caccgtcgcc 540
aggaaaagcca agaaaaaac tgataaaccc agacaagaag ataaaagatg tctatagtga 600
acagagctca caaatgaaga tcttttggat cagcttgtga aatacggagt gaatcctggt 660
cctattctgg gaacaaccag gaagctatat gaaaaaagc ttttgaaact gagggaaaca 720
ggaaacagaat caagatcttc tactcctctg ccaacaattt ctctctcagc agaaaataca 780
aggcagaatg gaagttaatg ttctgacaga tacagtgaca atgaagaag aaagaagaaa 840
gaacacaaga aagtgaagtc cactagggat attgttcctt ttctgaacl tgggaactac 900
tccctctggt ggtgggattt ttccagggta tttcttttcc tgaatctcc accctctctc 960
ctttggcgag tacccaacta caggcagcta agaaaagata tacttctaa ggrgacctac 1020
ctagggagcc tcttgttgcc acaaaactgc ctggcagggg acagttgcag aagtttagct 1080
ctgaaaggaa ttgttttatt tcatgcaagt ctagccatga taggtgttta gaggaaaagt 1140
tctctgcctc ctctcagcc ttggaacacag tgccatgttn gtgtctacgc cagctcttcc 1200
ttcactgatg taaagaaacc accactgggt tattataaag gcatagtagg aaaaaa 1256

```

&lt;210&gt; 406

<211> 771  
<212> DNA  
<213> Homo sapiens  
  
<220>  
<221> misc feature  
<222> (200)  
<223> n equals a,t,g, or c  
  
<220>  
<221> misc feature  
<222> (205)  
<223> n equals a,t,g, or c

<400> 406  
gttcttcttaa atcaggaatg gattgaaatc taatgaaccg aaactttggg tacttcggcc 60  
ttcaaggggc tctcttattg agaatcaatg tcttctccta ggtaattgat caccctagac 120  
ccagggcac ccaattcatc gtaatcatca tgaataatca aaaagtggta gctgtgctac 180  
tgcaagagtg caagcaagtn ctgntcagc tcttgttggg agcgccagat gtgtcggaag 240  
aggacaagag cgaggaccag cgctgcagag ctttactccc cagcgagtta aggaccctga 300  
tcaggagggc aaaggaatg aagtggccct tcgtgcctga aaagtggcag tacaacaag 360  
ccgtggcccc agaggacaaa acaaacctka aggatgtgat tggcgccggg ttgcagcagt 420  
tactggcgctc cctgagggcc tccatctcgc ctcgggactg tgcggctgcg gcggctattg 480  
tggtcttggt ggacgggttc ctgtatgggs tcgacgtctc tggaaaacct ctgcaggctg 540  
ccaaaggtct ccacaagttg cagccagcca cgccaattgc cccgcagggt gtatttcgcc 600  
aagccccgaat ctccgtgaay tcaggaaaac ttttaaaagc agagtatat ctgcagcagt 660  
taataagcaa caatggagca acgggtacct ggctgtacag aaatgaaagt gacaaggctc 720  
tggtcgagtc ggtctgtata cagatcagag ggcagattct gcaaaagctg g 771

<210> 407  
<211> 2643  
<212> DNA  
<213> Homo sapiens

<400> 407  
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tgt 2643

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&lt;210&gt; 408

&lt;211&gt; 1646

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (55)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 408

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aacagcaggt gcggccactcg ccagcacat ggatgttgac aaagtgtgct tcaccggttc 180
caccgaggtg gccaccctga tccagaaaag agctggcgat tcaaacctca agagatcac 240
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cgtggagcag tgcccagaag cctgttcttt caacatgggc cagtgtgctg gtgctggctc 360
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aaagcagagg aaagtgggga acccctttga gctggacacc cagcaggggc ctcagggtga 480
caagagcagc tttgaacgag tcctaggcta ctccagctt ggccagaagg agggcgcaaa 540
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tgggtggcgtg caggatgaca tgagaattgc caaagaggag atctttgggc ctgtgcagcc 660
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cctggctgcg gctgtgttca cccgggatct ggacaaggcc atgtacttca cccaggcact 780
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aaaaaaaaaa aaaaaaaaaa aaaaaa 1646

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<210> 409

<211> 876

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (146)

<223> n equals a,t,g, or c

<400> 409

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tcaatccccc gtctctctac actttnctct gtgagaaga tccacctaca acctcaggtc 180
ctcagaccra ccagcccaag aaacatctca ccaatttcaa atctggcacc cactggaaat 240
cagactcccc agctcgcccc acagccactc ctggagcccc taaagctcta gcccaaggct 300
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taagtccatc cctcgtttaa tcgatacggg ggetaccac tcacgtgtgc cttcttttca 480
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cctgaaaact ccccactct ggtgccaaact tggacaacac tcttttatgc actctttttt 600
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ttccctgact attcctggag tacagctaca tctcattgct gcccttcttc ccaatccaaa 720
gctccttttg tgcctcttaa catcccaca atatcacccc ttaccacaag acctcccttc 780
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<210> 410

<211> 1850

<212> DNA

<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1817)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1848)  
<223> n equals a,t,g, or c

<400> 410  
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cgctatggat gatcgagagg atctggtgta ccaggcggaas ctggcccgagc aggtcgagcg 180  
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ctggagaata atcagcagca ttgaacagaa agaagaaaac aagggaggag aagacaagct 360  
aaaaatgatt cgggaatatt ggcaaatggt tgagactgag ctaaaagttaa tctgttgga 420  
cattctggat gtactggaca aacacctcat tccagcagct aacactggcg agtccaaagt 480  
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cgacaggaag gaggtgcgg agaacagcct agtggcttat aaagctgcta gtgatatgc 600  
aatgacagaa ctccaccaa cgcatacctat tcgcttaggt cttgctctca attttccgt 660  
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tgatgatgca attcgacaac tggatacgtc gagtgaagaa agctataagg actctacact 780  
tatcatgtag ttgttacgtg ataactgac actatggact tcagacatgc aggggtgacgg 840  
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<210> 411  
<211> 661  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (518)



<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (567)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (568)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (648)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (660)

<223> n equals a,t,g, or c

<400> 411

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agcaaaatct tgtaaagtca ttgcacaaaa cattgttaag aagtgccttg agctctttct 180
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agctttttgt garcagatgc ggaacggggg cttsaagtg gtwtatatga mcgarcccat 480
tgacrtatwc ttgtgtgcagc arctomaggga attgawngg aararmctgg tcyagttac 540
caaggagggtc tggarctgcc tgaggtnnag gagagagaagaa gaagatgaaa gagagcagg 600
caagtttaga ccttgacgct ctgaagaatc ttagttaaa ttagaagngc atcccatagn 660
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<210> 412

<211> 1263

<212> DNA

<213> Homo sapiens

<400> 412

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ttcagttcca tagctatccc catcaccctt tatttggaag aggaacgaga gaaggaaatt 180
agtgatgatg aggcagagga agagaaaggt gagaagaag aggaagataa agatgatgaa 240
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aagagcctca ctaatgactg ggaagaccac ttggcagtc agcaactttc tgtagaaggt 480
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gag 1263

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&lt;210&gt; 413

&lt;211&gt; 1337

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 413

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ccattcccc ccttttg 1337

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&lt;210&gt; 414

&lt;211&gt; 792

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

<222> (744)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (783)  
<223> n equals a,t,g, or c

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aagctactaa ccagagccgg ctctttctcg agattttatt cctcacaagt tgcccccaaa 180  
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agnatcaata ga 792

<210> 415  
<211> 1342  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (1036)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1038)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1099)  
<223> n equals a,t,g, or c

<220>  
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<222> (1181)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

<222> (1224)  
 <223> n equals a,t,g, or c

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 <222> (1246)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (1255)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1338)  
 <223> n equals a,t,g, or c

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 tcgctcccg gcgcggtcgc agccctcagc ccacttagga taatggcgac agctgaggt 180  
 ctgaacattg gtaaaaaatt atatgagggt aaaacaaaag aagtctacga attgttagac 240  
 agtcaggaa agtccctcct gcagtcgaag gaccagatta cagcaggaaa tgcagctaga 300  
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 gcctgtggaa attttngca ttccatgggt aactctgagt aacatcctgc gccataaagg 1080  
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 gtcctgggga acactgcga tatnccaggt tatccagcct gtccncccc ttaanacca 1260  
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 ttcaaccctg accttttnc ag 1342

<210> 416  
 <211> 1113  
 <212> DNA  
 <213> Homo sapiens

<400> 416  
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tgagaacatt ccgaagctca ccgggcggga tccgaatgac gtgaggccca tccaagccag 180
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cagtaggctg ggcggggagc gtcggaccag aagagaatca cgccaggaaa gcgaccgcga 360
ggatgatgat gtaaaaaagc cagcattgca gtcttcagtt gtgactacct ccaaagagcg 420
cacacgtaga gaccttatcc aggatcaaaa tatgtagtaa aagggaagcg aaaggaccg 480
gcgaatatct ggctgttgta tgggtaccct tcaaaaaatt aaacaagaat caactgtgc 540
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tattctctga agaattgtgc cagctaccca aaaactaata gaagagtcac agagaaaaat 840
gaacgcttta tttgaagta gacgcataca atttgcaaga caaataataa aaatggagcg 900
taggcctaga agacaatcaa tgaaggaaaa agagcatcag gtggtgcgta atgaagaaca 960
gaagcgagaa caagaagagg gtaaggtggc tcagcgagag gaagagttgg aggagacagg 1020
taatcagcac aatgatgtag aaaagaaaga aaagaaagga aagggaagaa agaaggaaag 1080
aaagaaaaga aaagaaagga aagaaaagaa aac 1113

```

<210> 417

<211> 1174

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<400> 417

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gtatgaagca taataatagt ctttcattct tgagtggatg tacaatggct tcagcagtg 180
gtccagtttc ctaggactgt acaagaatct tggaaaaact gtattcttag gtttgataaa 240
tgacggcaaa accactcttc ttacatgctc caaagatgac agattggggc aacatgttcc 300
aacactacat ccgacatcag aagagctaac aattgctgga atgaccttta caacttttga 360
tcttgggtgg cagcagcaag cagctcgctg ttgaaaaaat tatctccag caattaatgg 420
gaattgtctt ctggtggact gtgcagatca ttctgcctc gtggaatcca aagttgagct 480
taatgcttta atgactgatg aaacaatatc caatgtgcca atccttatct tgggttaaca 540
aattgacaga acagatgcaa tcagtgaaga aaaactccgt gagatatttg ggctttatgg 600
acagaccaca gaaaaggagg atgtgacctg gaaggagctg aatgctcgcc ccatggaagt 660
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gtatatgacg tgatgtttgg accgtgaaaa taagaagagt ttactttctt ggactgatcc 780
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ttctccacac tgttggaggg taatgctgcc ccacgtgctg gtgcaggtca gtatcctggg 960
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```

```
graaaacacg tctcaccact gtggttgatt caaaagaaag tgattctatt ttttaaagaa 1080
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```

<210> 418

<211> 673

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (213)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (506)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (586)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (618)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (661)

<223> n equals a,t,g, or c

<400> 418

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ctcagccccc cggacgcatg tccccttgcc gagttgaggg cagctggcct agagcctgtg 180
ggacactatg aagaggtgtt ccaggtgcga aangtgcaag gcaccaactt gggcaaaaaa 240
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acacgggctg agcggaaacat tctagagtca gtgaagcacc cctttattgt ggaactggcc 360
tatgccttcg agactggttg caaamtctac ctcactcctt agtgccctcag tgggtggcag 420
ctcttcacgc atctgggagc gagagggcac ctctctggga agatacggcc tgcttctacc 480
tggctgagat cagcgtggcc ctgggncatc tccactccca gggcatcacc taccggggag 540
tcaaagcccg aggaacatca tggttcagca gccaggggccc acatcnnaac tgaccgactt 600
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ngggcaacca ttg 673
```

<210> 419

<211> 2178

<212> DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 419

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 aagggagaga gtgggagttt ccagcccgcc agaactttcg aagttagaa tagaacccct 180  
 ggaacgtgcy gtcagcactg ggattttctg gaactcaacga tgaactcgaa taatgtcacc 240  
 atgcgcagcg gcatctgtgg catgcagcca cagcagcagc gctggagcat cccagctgat 300  
 ggacggcatc tgatggtcca gaaagagccc caccagtaca gccaccgcaa ccgccattct 360  
 gctaccctcg aggaccactg ccgcccgaagc tggctcctctg actccacaga ctcatgcatc 420  
 tcctctgagt cagggaaacac ctactaccga gtggtgtcta taggggagca gggggtgggc 480  
 aagtcacact tggccaacat ctttgcaagt gtgcatgaca gcatggacag cgactgcgag 540  
 gtgctgggag aagatacata tgaacgaacc ctgatggttg atggggaaag tgcaacgatt 600  
 atactcctgg atatgtggga aaataagggg gaaaatgaat ggctccatga ccactgcatg 660  
 caggtcgggg acgcatacct gattgtctac tcaatcacag accgagcgag ctctcgagaa 720  
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 tgtccagcct ctgctctatt tattattatt ttgcataata accattttaa cttttgata 2040  
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 ctttttcaaa atatgcaagt ttttacctat atgtcttata ataaaagaa taaaatat 2160  
 gaaaaaaaaa aaaaaaaa 2178

&lt;210&gt; 420

&lt;211&gt; 1884

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (56)

&lt;223&gt; n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (283) \*  
 <223> n equals a,t,g, or c

<400> 420  
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 tgcagcaagg ctgtgatgag tcaagcctta aaagctacct tcagtggcct caaaaaggaa 180  
 cagcggcgcc tggggacttc aaagaacccc tggctgtgga gtgagcaaca ggtatgccag 240  
 tggctctctc gggccaccaa tgagttcagt ctgggtgaac tgnaatctgc agaggttcgg 300  
 catgaatggc cagatgctgt gtaaccttgg caaggaaacg ttcttgagc tggcacctga 360  
 ctttgtgggt gacattctct ggaacatct ggagcaaatg atcaagaaaa accaagaaaa 420  
 gacagaagat caatatgaag aaaattcaca cctcacctcc gtctctcatt ggattaacag 480  
 caatacatta ggttttgcca cagagcaggc gccctatgga atgcagacac agaattaccc 540  
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 gcaggagttt cagatgttcc ccaagtctcg ctacagctcc gtacagctca cctactgctc 660  
 tgtcagtcag gacttcccag gcagcaactt gaatttgctc accaacaatt ctgggacgcc 720  
 caaagaccac gactccctgc agaacgggtc ggacagcttc gagagctcag actccctctc 780  
 ccagtcctgg aacagccagt cgtccttgct ggaatgtcaa cgggttcctt ccttcgagag 840  
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 ccttaacagt tgtatttaac agaaattgta tattgttaatt taaaataatt atataactgt 1860  
 atttgaataa agaaaaaaa aaaa 1884

<210> 421  
 <211> 622  
 <212> DNA  
 <213> Homo sapiens

<400> 421  
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 tcggctctac cctagtctca ggcacaggag cagagaaagac ttgctgtgac ccgagctgcc 180  
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 agtgctgcag cgcgggctgt gccaccttct gctctctgcc caatgataag gagggttcct 300  
 gcccccaggt gaacattaac tttcccacg tcggcctgtg tcgggacagc tgcaggtggg 360



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acagccacgtg tctctggccag atgaaatgct gccgcaatgg ctgtgggaag gtgtccctgtg 420
tcactcccaa tttctgagct ccagccacca ccaggctgag cagtggaggag agaaagtctt 480
tgcctggccc tgcactgtgt tccagcccac ctgccctccc cttttctggg actctgtatt 540
ccctcttggg ctgaccacag cttctccctt tcccaaccaa taaagtaacc actttcagca 600
aaaaaaaaaa aaacttgggg gg 622

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<210> 422
<211> 1285
<212> DNA
<213> Homo sapiens

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<400> 422
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cgagaatcca ggacttgaat cgtatcttcc cactttctga ggactactct ggatcaggct 360
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aggattacca actagtagac gaaagtgtgt ctttccatga caaccttagg tctcttgaca 480
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tataaaagag gattttccca ccttgacacc aggcaatgta gttagcata ttatgtacc 600
atggttatat gattaatctt gggacaaaaga attttataga aatttttaaa catctgaaaa 660
agaagcctaa gttttatcat cctttttttt ctcatgaatt cttaaaggat tatgctttaa 720
tgcgtgtatc tatcttattg ttcttgaaaa tacctgcatt ttttggtatc atgttcaacc 780
aacatcatta tgaatttaat tagattccca tggccataaa atggctttaa agaatatata 840
tatattttta aagtagcttg agaagcaaat tggcaggtaa tatttcatac ctaaatataag 900
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aataatgaaa cacagtgaa ttgtagagtg ggggtatttg acatatttta caggggtggg 1020
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atccgcgcag gggccctaaa cttaa 1285

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<210> 423
<211> 528
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<222> (442)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (485)
<223> n equals a,t,g, or c

```

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<220>

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<221> misc feature  
 <222> (489)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (510)  
 <223> n equals a,t,g, or c

<400> 423  
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 cctagacccc gactcccttt ggtcagccc gcgcgcccca ggcgcggccc gggcgcgcg 180  
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 tcattttggg gagttttgcc attacgaggg ttcttgggaa tagcaggatt ctgcctgac 420  
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<210> 424  
 <211> 3118  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (388)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (485)  
 <223> n equals a,t,g, or c

<400> 424  
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 ccctcccgag cgcggggcct cgctcggtgc taggctactc tgccgggagg cgcgcgcg 240  
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 ggcggagaga gctcgtgccc cgcctctccg ctgcgctttt tcgtcagctg gctggagcag 360  
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 caggcaacaa ttggcattga ctttttatca aaaactatgt acttggagga tcgaacagta 600  
 cgattgcaat tatgggacac agcagggtcaa gagcggttca ggagcttgat tccatagctac 660  
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 caaactacaa agtgagattga tgatgtcaga acagaaagag gaagtgtatg tatcatcatg 780  
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atatattgca gatttatgcc tttattttta gcatttttta aggttgggtc tttcaggctg 2340
gttttgggtt gttattagatc tgatatagtt aattaaactg tgatttagtt ttatatttaa 2400
gctacaatta atcttttttc ttgtgtgata tttatttctt tgcccttttt ttttttaaca 2460
actttcaatc ttcagatggt tcgttgaatc tatttagagc ttcaccatgg caatatgtat 2520
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agtgccttta taatacaata taattgttaa aggcaagggt gatgactctt ttattatttc 3000
acatggcatg tcttgaataa aatattgatt caatatggca aaaaaaaaaa aaaaaaaaaa 3060
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaggcgg gccgctcgcg atcttagc 3118

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&lt;210&gt; 425

&lt;211&gt; 1410

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 425

```

ccacaagggg ctctaaaaag caaacattca agagtattgta gtttttagac attaaagtaa 60
ttattttaaa cagtgacagc aaaaacaaag tgattaaaaa tagtttattt gttccaatga 120
ctaaatttta cctcatttat taactctggc attaaggaaat atatttaata atattatgta 180
attattcttt ttatgcatga tacacctaga aaaaatgcctt ttgttctat ctatggcctt 240
gttgtttgga gctacttttg attacttatt gcagtttccc aatttagtct tttactttatc 300
taactcacia agtaaaaata actgatcaca tggcaactac tgtatttaaa tagttctgga 360
aaaattgaag tgcttttggtc atgggttaatg ccttgatctc ctgacgtga 420

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ggacatagct gatctaaagt actctgtcag ttttaccttc acccatgact gtcattagtt 480
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ataatcatcc tcaaaagcctg tttttattac atgatgtgga ctgattattt ttctcatcac 600
agtggttaaca gatggatttt attgtaaaata caaagaaaac atattgatta ttgtagtatt 660
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tctactccag gtgtgtaaat tgtacttact ctattctcag agtatattta ctgtccttacc 960
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```

<210> 426

<211> 1422

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (328)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (479)

<223> n equals a,t,g, or c

<400> 426

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ctacacctgg ccttgaatt aatgacttgg agaagacctg aatggggagg ggagagcagt 60
agaagcatga gcctttctga ctgtctacat gttcttgcgc agttttaact tctagtcagt 120
gcgaatgac gcaggagagc acagactgga ccttctctag atctctcttg gagtggatca 180
gactgatgat caccacaac caactcattc ccggataagg aagaagagag tgcacctac 240
ttcagtgttg ttcaaccctt acttctgcac cttaaaagaca ctgtatgggt tcagcagtag 300
tgccctgtgt cattagtccc cctgatgntt tcattctcca tctcatcttt tcttagcag 360
cattcaatga atccttcatt ctgaaacac tctatatctt tggtttcat grgaccattc 420
tcaccttgtt ttgtcctgtg acttttttga aaaaaacaaa aacaaaaaac ccttttttnc 480
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cagttagtaa agtaccatca cattgtggtg caagccatca ctaccatcca tcaatgaac 600
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attctcatett ggaatgctaatt ctgcccattgtt gactttctgat taaccccagg cccaggaatg 1080
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aaaaaaaaaa aaactcgagg tcgacgggat cgataagctt ga 1422

```

&lt;210&gt; 427

&lt;211&gt; 830

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (686)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (772)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (809)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 427

```

gggatcgacc cagcgcctcg cctagcgcgcg ctgggctcgc aggtctctctg cgagcagcgg 60
acgcgcgctct ctgttccgca gatgggggttt gttaaagtgt ttaagaataa ggcctacttt 120
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aaacgccttgg tgatacaaga taaaaataaa tacaacacac ccaaatacag gatgatagtt 240
ctgttgacaa acagagatat catttgtcag attgcttatg cccgtataga gggggatatg 300
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ggcatggaca agatctatga aggccaaagt gagggtgactg gtgatgaata caatgtggaa 480
agcattgatg gtcagccagg tgccttcacc tgctatttgg atgcaggcct tgccagaact 540
accactggca ataaagtgtt tggtgccctg aarggagctg tggatggagg ctgkctatc 600
cttyacagta ccaaacgatt ccttgkktat gawtctgaaa gcaagggaatt taatgcagaa 660
gtacatcgga agcacatgat gggccnagaa tgggttcaga ttacatgcgc tacttaatgg 720
gaagaagatg aagatgctta ccaggaaacg gttctyttca atwcttaaa gnacagcgta 780
acttcagac catgatggga ggagatgtnt taagaaaaagc ttaatgcttg 830

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&lt;210&gt; 428

&lt;211&gt; 1622

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (76)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 428

```

ggcagagctt ccagggtctg ccatayttgc catggccgac tcagtagtca ctaacttcaa 60
caaaaaataaa actgtngcaa tagtattcta ttaaagcttc ttaaactgct taaacttgcc 120
gttttgacat ggtacctatc cttttcttccc ttttcaaaag attcgtctata gagtctttct 180
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tctggtttgt ctggcccacc agccccgcgc ggcccttttc cgttagcgct gctgcttttg 360
ttcctgctcg gccccagatt ggtcccttgc atctccttcc atctgcccct taactctcgc 420
aagtgcctcc gtgaggagat tcacaaggac ctgctagtga ctggcgcgta cgagatctcc 480
gaccagctctg ggggcgctgg cgccctggcg agcacctcaa gatcacagat tctgctggcc 540
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atgacatggt tgaagtgtgt ttgagagca agggaacagg gcggtacact gaccaactcg 660
tgatcctaga catgaagcat ggagtggagg cgaaaaatta cgaagagatt gcaaaagtgt 720
agaagctcaa accattagag gttagctgc gacgcctaga agaccttcca gaattctatt 780
ttaaagtatt tgctacatg aagaagagag aagaggagat gcgtgatacc aacgagtcga 840
caaaacactcg ggtctctatc ttacgcatct ttcaaatgkt ctgkctcatt ggactagcta 900
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gatgtgacac ctcatataaa tgagctttgg actgtagata actcttaaa aaaaatgcat 1560
tttagacaat taaaatatatt gtgtcgaact gcttggaata aaaaaaaaaa aaaaaaaaaa 1620
aa

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&lt;210&gt; 429

&lt;211&gt; 548

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (48)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (385)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (453)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (512)

<223> n equals a,t,g, or c

<400> 429

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agcactgggg gaaacttgct ggtggtctct cccacaacct tgcccagagt cctttccact 120
aaggagggtga agagaacaga gaaagagatt tccattttctg ctgccagagc tggattttgc 180
ctgcctgatt ctctgtgttt cctgtttcac cgccaccctt tcaggagaga actacaccag 240
ttcatcatga gggtcaggga agcaaaaact ctcatatgtg tccaggggct tacttaagaa 300
atgagtatgc agattctgga aggggtgttg aaaaggtgat cctttacccc caccagga 360
aacctgcatt gtgctagcat ggaanaatca tgggctttgg aattaaaccc atttgggtga 420
attaaaccca ttgtgttca aatcccagtt atnacatctg ttaactttgc aaactcaca 480
aaattatttg aaattatctg agttttcatt tntccacctt ccagaatggg gataatgcct 540
cctgcatc
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548

<210> 430

<211> 569

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (381)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (553)

<223> n equals a,t,g, or c

<400> 430

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gccgatgtt cctgcgcttc tactcagata actcgggtcca gcgaaggggc ttccaggcct 120
ccacagccac agagtgcggg ggccaggtac gggcagacgt gaagaccaag gacctttact 180
cccacgccca gtttgcgac aacaactacc ctgggggtgt ggactgtgag tgggtcattg 240
tggctgagga aggctacggc gtggagctcg tgttccagac ctttgaggtg gaggaggaga 300
ccgactgcgg ctatgactac atggagctct tcgacggcta cgacagcaca gcccccaggc 360
tggggcgcta ctgtggctca nggcctcctg aggaggtgta ctgggggga gattctgctg 420
ttagtcactc gatacccat accaaaaaag gtttccacct gcgatacacc agcaccgaag 480
tcaggagcac acttcacagc aggaatgac cactggcttr acaaggggcg ggactggamc 540
ctgktgcctt tgnccgctaa actggataa
```

569

<210> 431

<211> 549

<212> DNA

<213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (519)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (541)  
 <223> n equals a,t,g, or c

<400> 431  
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 agctgatttg atcgaggagc gcggttaccg gacgggctgg gtctatggtc gctccgcggg 180  
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 tggcagagct cccactattt gcaatggatt ttggataaac aagatctgtt gaaggagcgc 300  
 caaaaggatt taaagtttct ctccagaggaa gaatatggga agttacaaat attttttaca 360  
 aatgttatcc aagcatttag tgaacatctt aaattaagac aacaagttaa tgcactgct 420  
 accgttatatt tcaagagatt ctatgccagg tattctctga aaagtataga tcctgtatta 480  
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 ngggggggg 549

<210> 432  
 <211> 1221  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (1160)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1183)  
 <223> n equals a,t,g, or c

<400> 432  
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 aaaactaaag cacccgacga cttagtgtgt ccggtcgtga agaaaccaca catctattat 180  
 ggaagtgttg aagagaagga gaggagcgt ctggccaaag gagagtcctg gattttgggg 240  
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 ttggaattg aagagcatat cagcgagcga caggcagaag tattggctga gtttgagaga 360  
 aggaagcgag ccggcgagat caatgtttcc acagatgact cagaggtcaa agcttgacct 420  
 agagcccttg gggaaacccat cacacttttt ggagagggtc ctgctgaaaag aagagaaaagg 480  
 ttaagaaata tcctctcagt tgtcgttact gatgccttga aaaagaccac aaaggatgat 540  
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 agcttgaaagg tggcaagact atggattgct aattattcgt tgcacaggcg aatgaaaccg 660  
 ttggaagagg ccgactcca taaggagatt cctgagacaa caaggacctc ccagatgcaa 720  
 gagctgcaca agtctctccg gtctttgaat aatttttgca gtcagattgg ggaatgatcg 780



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cctatctcct actgtcactt tagtcccaat tccaagatgc tggccacagc ttgttggagt 840
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gatgtcaacc tggcctcttg tgcggctgat ggctctgtga agctttggag tctcgacagg 1020
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tccccaggac ctcagtaaaa atctggcatt agggccatgc gcattgggct acaccttaag 1140
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ttgcacactg cactccacgc t

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&lt;210&gt; 433

&lt;211&gt; 1115

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (45)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 433

```

ggcacacatc accaagccca gccaaatttt gttttttttt tgtanagatg gggtttcttc 60
acgttkccca ggctgatctc gaacctctgg gctcaagcaa ttcactcgcc tcggctctcc 120
aaaatgctgg gattacagcg ctgagccact gcgccacgoc aggatgtgaa ttattttaac 180
tcatccatgg gctgccttag aatgtcacaa atgaggggtg ttaatgctct ttcttatagc 240
tgctactgga acactattat gacctaatat atgagccatc cttaactatc tacaagtgtc 300
gaagcaatgt tacatacttt ttgtctaacc tcagattttt tagcctaatt tctgtctctc 360
ctatccactg gcattccacac atggcctgca tggggctgoc ttccctcgag tgtctgcaag 420
ccatgcttca ggggtatagct gttgggtggac agcctcaggt ctggggggca ctatagccac 480
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tcttcaagca atcttggaat cctcaactgc agtaagcatt tcaaaatgca aacaaactgc 660
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gggtgaagaa ttctacagta gctgtgtgct aactgatctc ttaataaac ttgcttcttg 1080
ttaactaaaa aaaaaaaaaa agggcggygc ctcta
1115

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&lt;210&gt; 434

&lt;211&gt; 1604

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 434

```

ctgctgtac tctgtttctt tcttcacttt gctttccaag gtggtatgtg atccccagct 60
caggccctgtg cagacaggaa attctccctc gcagcaagta ggggaagtgg tgtgtgggat 120
gtgacctctc tccagatata aggcagttag tgtaaacctg ccacctccag cctgtatcca 180
ttctcaccta gcggtacag gaagctgtgt ctgttcgatt tggtgggagg agatgtgcag 240
ggagctgtat cttgtctctc gcttctgaaa aactcaagga tgtggagagg agtagacctg 300

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ggaacctctgc tctctctgcag ccaagctgag gggcaggatg cgtgtgggag agtggttagag 360
aagcaggggga tagactcata ggcctcaaca aaggtgactc tgtccctgga cactgcctcc 420
gtactttctc cttgcttcac tggccacagc atctccctcc agccctcgct atgtgctctc 480
gccatcttca cccatcatgg agcagagggt aggagaggca gcctgggaat atggagacca 540
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ttatataag cagcctcaag gaccaagaac catctgcgaa aggcacacac caggaaattc 840
ataaaagaaa tctgaatgga taaaaccatg aaaaaaagta tgcttcatta gtaattaaa 900
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cccaatatgt gcaaaagagac tactgaaaaa acattcccat acattgcgtg tgggagtata 1020
catcggtgca ggcttctctg atgacagttg ggtgatattg gtcatgtggc ctaaaagcct 1080
ccatgtcatt tgacctacga attctatctt tgggaattia tctaagaaa atacttaag 1140
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gaacaaagtc actgtaattt tcatctttgg ttttctgta atttccaaat ttccacatt 1560
tgtatttca tataataaat ataatttaag aaaaaaaaaa aaaa 1604

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&lt;210&gt; 435

&lt;211&gt; 301

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (274)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (277)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 435

```

gaggcggtga acgagcagct ttctagcgag cgcagcaacc tggcccagggt gatccgccag 60
gagttcgagg accgctctgc agcctctgag gaggagacgc ggcaggccaa gcccagctg 120
gccacgtctgc agggccgccca gcagctggag cttggaggagg tgcaccggag ggtgaagaca 180
gccctcgcca gaaaggagga ggccgtgagc agcctccgga cacaacatga ggtgagtcct 240
tgtggccacc cctgtctggac ctcggggctg gganccangcc tgacctctgt ggtgtctctg 300
a

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301

&lt;210&gt; 436

&lt;211&gt; 318

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

<220>  
<221> misc feature  
<222> (242)  
<223> n equals a,t,g, or c

<400> 436  
aattcgccac gaggaaccct ttagtctctg ccatttcaaa agcatcacac agaagaagac 60  
cttgatatatt acatttaagt cacatatgca gctactgaca cttactagtg ctgttatagt 120  
cctggcattt attccatgag gtgcgcacat tttaaccttt tgcataagcc tccaacggcc 180  
tgatggaatg atgaagcctc agaacagttt ctacacaatg gctaagggat gtaccatttt 240  
tnaatttttc tcttttctgt gatcacagag ggtgaatacg ctttggccgg atacacagaa 300  
gtgaaaactg tcacccat 318

<210> 437  
<211> 1882  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1793)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1795)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1818)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1826)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1844)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1855)  
<223> n equals a,t,g, or c

<400> 437  
tagcccgctg ggagcgccag gccggccagg cctgcgcggy cgccgcccgc gccgtgcgcy 60  
ccgcgcgcac catgtcgmag ccaaggagaa cccgtgcagg aaattccagg ccaacattt 120

```

caacaagagc aagtgtcaga actgcttcaa gccccgcgag tcgcattctgc tcaacgacga 180
ggacctgacg caggcaaaac ccatttatgg cggttggctg ctccctggctc cagatgggac 240
cgactttgac aaccagatgc accggtctcg gaaatggcag cgacggttct tcaatcctta 300
cgagcacggs ctcttgctgt acgccctgga tgagatgccc acgacccttc ctcaaggcac 360
catcaacatg aaccagtgca cagatgtggt ggatggggag ggcgcacagc gccagaagtt 420
ctccctgtgt attctgacgc ctgagaagga gcattttcat cgggcggaga ccaaggagat 480
cgtcartggg tggctggaga tgctcatggt ctatccccgg accaacaagc agaatacgaa 540
gaagaaacgg aaagtggagc cccccacacc acaggagcct gggcctgcc aagtggctgt 600
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cgggtggggc gcgtggggcc tgctgacacc caccagcccc tgcgccctga ggnngasctg 1800
ggggaagctg agcgggancg tgacacnagc cgggaggagc gccncaagcg cttcnngatg 1860
ctcgacgcca cagaacgggc ca

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&lt;210&gt; 438

&lt;211&gt; 2056

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2046)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2053)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2054)

&lt;223&gt; n equals a,t,g, or c

```

<400> 438
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gataaaactt tcttttctga tcatgaatca agtatctgtg gtttcatgcc cctctctata 120
cctttcaaaag aactcctgaa gcaacttaac tcatcatttc agcctctgag tagaggtaaa 180
acctatgtgt actctgtgtt atgatccata ttgatattta tgacatgaac acagaaatag 240
accttaacatt tgctaaacag acagtttaata tcaaatcctt tcaatatctt gggaaccag 300
ggaggttttt aaaaaatgca ttactttcaa aggaacagaa gtagttaacc aaactaacaa 360
gcaaaacctg aggtttacct agtgacacca aattatcggt attttaactg aatttaccoca 420
ttgactaaga atgaaccaga ttgtgtgtgt gttttgttcc tatgcacact ggacacaaat 480
tacaacagta aattttttta taagtgtctc tccctctccc atgatgtgac tccggagat 540
aaaggattca aaagataaag acaaagtacg ctcagagttg ttaaccagaa agtctcggt 600
gtggttgtag aaacactgtt ggaagaaaag agatgactaa gtcaagtgtc tgccttatca 660
aaagagcaaa aatgcctctg gttttgtgtt tgggagaaaa atatcttgga cgcactgttt 720
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tgtgtgccag gggcagtaat gtccctgcct cttctcccaa tcaagggtga ggaagtgggg 840
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gataaagaac agaaaaactt tcaatatatt actaataact ttttccaaat taaactctaa 1860
aattcctata acatagttat ttacagtttt atgaagcttt ctattgtgac ttttatggaa 1920
ttaagagatg aagaagatga gatattttag catttatatt tttcaaaat atagtatac 1980
ttaaaaataa agtaacttta tgcattttaa aaaaaaaaaa agggsgggcc gttttagag 2040
atccangttt acnncc 2056

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<210> 439
<211> 721
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (688)
<223> n equals a,t,g, or c

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```

<400> 439
ggcggcgccg rcaggctcggg gctcggagct gctgctcttg gttctcttgg ggcgcgccgc 60
gctgtccggc tgccctgggg gccgaacag acaaggcggt ggcacagca cctcagaagc 120
cgacgcagct gcacgcaggg gccggcagga ggggtggcga tcgcgtgtcg gaggcgccgc 180

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cgcgggcagg cgggcgggag ccagaggggg aaagaggcgg gggcgccggg tcagccgctg 240
gccgggcccgg ccgggggaatg tcgatgcccg acgcgatgcc gctgccccggg gtcggggagg 300
agctgaagca gggccaaggag atcaggagac ccgagaagta ctccctcatg gccaccgtca 360
ccaaggcgcc caagaagcaa atccagtttg ctgatgacat gcaggagtcc accaaattcc 420
ccacaaaaac tggccgaaga tctttgtctc gctgatctcc acagtctctcc actgacagct 480
acagtctcagc tgcattctac acagatagct ctgatgatga ggtttctccc cgagagaagc 540
agcaaaccaa ctccaagggc agcagcaatt tctgtgtgaa gaacatcaag caggcagaat 600
ttggacgccg ggagatttag attgcagagc aagacatgct tgctctgatt tcaactcagg 660
aacgtgctca gggggaraag cccttggttg gtgataaatt akkggggttg acacattaca 720
g

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<210> 440
<211> 1041
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1025)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1030)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1039)
<223> n equals a,t,g, or c

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<400> 440
ctcgtgcgcg gacattgtca gctgcgtttc cgcggtcgcg gttgaggagc tcaagcttgg 60
gaaaaatggtg tgcattccctt gtaatcgcat tccagttctg ctctggatct acaaaaaaatt 120
ctctggagcca tatataatcc ctctgggttc ccccttcggt agtcgtatat ggcctaagaa 180
agcaatacaa gaatccaatg atacaaacaa aggcgaagta aactttaagg gtgcagacat 240
gaatggatta ccaacaaaag gaccaacaga aatctgtgat aaaaagaaag actaaagaaa 300
ttttcctaaa ggaccccatc atttaaaaaa tggacotgat aatatgaagc atcttccttg 360
taattgtctc tgaccttttt atctgagacc ggaattcagg ataggagtct agatatttcc 420
ctgatactaa tcaggaaata tatgataccc gtatttaaaa tgtagttagt tataattaat 480
gacctcatcc ctaagtctct ttttcgttaa tgtagctttc atttctgtta ttgcgtttg 540
aataatatga ttaaatagaa ggtttgtgcc agtagacatt atgttactaa atcagcactt 600
taaaatcttt ggttctctaa tccatatgaa ttgtcigtgt gctctaattt ctttgggctc 660
ttctaatttg agtgaggtac aattttgttg tgaacacagc cagtgaacct gtgcagggaa 720
atgaaggtag aattttggga ggtataaatg atgtgaaaca taaagattta ataattactg 780
tccaacacag tggagcagct tgtccacaaa tatagtaatt actattttat gctctaagga 840
agattaaaaa aagataggga aaagggggaa actctcttga aaaatgaacc atctgttaca 900
ttaatgtcta attataaaat tttaatccct actgcatttc ttctgttccct acaaatgtat 960
taaaccattca gtttaactgg taaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1020
aaaanccccc ggggggggnc c

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<210> 441  
 <211> 1995  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (1957)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1992)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1995)  
 <223> n equals a,t,g, or c

<400> 441  
 gccacgcgct ccgcccacgc gtcgcgacga tcaccatgtc tgttcgatac agctcaagca 60  
 agcactactc ttcttcccgc agtgaggag gagggaggag aggaggatgt ggaggaggag 120  
 gaggagtgtc atccctaaga atttctagca gcaaaggctc ccttggtgga ggatttagct 180  
 cagggggggtt cagtgtgtgc tcttttagcc gtgggagctc tggtaggggc tgcttggggg 240  
 gctcatcagg tggctatgga ggattaggag gtittgtgtg aggtagcttt cgtggaagct 300  
 atggaagttag cagcttttgtt gggagttatg gaggcagctt tggagggggc agtttcggag 360  
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 gaggctttgt tggtaggatt ggaggagatg gtggccttct ctctggaaat gaaaaagtaa 480  
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 aatcaaaata tgagctggaa gccaaaatca aggagtgtga tgaagaagat ggcaactcac 600  
 atcaggggga gcctctgtac tacagcaaat actacaaaac catcgatgac ctcaaaaatc 660  
 agatttctcaa cctaacaact gataatgcca acatcctgct tcagatcgac aatgcacgag 720  
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 cagttccggc ggccggcgcg gcggctacgg gggcgggact ccggcgcgcg cacagctccg 1680  
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tttaactcttc tgcgatgggt tttttgcgct ttaactctag agtctgttta aaaaaataaa 1920
aatcttagag cgggtccggt gcattgttca caactantct taacaccage cgtgaaaaatg 1980
gctgatcaaaa tncan
1995

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&lt;210&gt; 442

&lt;211&gt; 1723

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 442

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agcagcactt ccggtacgaa aaactcgctg ctgcccaaac ctggcttgac aggcttggtc 60
tctgcaagtg gctctcagcc cctctctctt tcttgcttca ccttccaatt cgtttgccgc 120
cgccgcgccg cagctgctgt ttccggaggt gcccttcccc catgtcccg ggacaggagtc 180
cgaaaagcga agatccgccc gccggttctt catcatgtcc gaactgacta aagagctgat 240
ggagctgggtg tggggcacca agagcagccc cggtctctcg gacaccattt tctgcccgctg 300
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ccccgtgctt gttattgcac ctgttcaggc atttcttttg aagaagctcc tgtttctctc 420
ggagaagctt tcttggcggg attgttcaga ggaagagcag aaggaactcc tttgtcatac 480
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tagttgccaa ttggaacatt ctctgcctt ggctgtcgaa gagcttggct ttgagcgatt 660
tcatgcatta attcaaaaaa gatcgttcag aagtttacca gaattaaaag atgctgtctt 720
ggaccagtat tcaatgtggg gaaataaatt tggagattg cttttcttgt attctgtatt 780
actgacaaa ggcattgaaa acataaaaaa cgaaattgaa gatgcaagtg aacccttgat 840
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ttttcagtgt taaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaa
1723

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&lt;210&gt; 443

&lt;211&gt; 1899

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (327)

&lt;223&gt; n equals a,t,g, or c



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<220>
<221> misc feature
<222> (1878)
<223> n equals a,t,g, or c

<400> 443
cttcgcgttc agcctcccaa aatgctgtag gtcacagggg gggctgtcgg ggggctgtta 60
ggtgccctgga tgacaagtgg acagtttaag ccgggttcctc agatccctaat ggagctgccc 120
ctgcgcgagc aacaraggct ctttaacgaa gccgcagcca tcatcaggca cctggaggtg 180
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ctggccatgc tgggtgaacta cgtcaccaag gagctgcggg ccgagatcca gtatgatgac 300
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ataaagcaag gaagcgcat tttttagttt ccagtgcat ctaagtcatg tttaactgcat 1140
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<210> 444
<211> 430
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

```

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<220>
<221> misc feature

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&lt;222&gt; (413)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 444

```

actacaaaaa ggagtgctga agccaatcac catgtaagca agataaaaagc aaaggggggtc 60
ttgcctgcgcc atctctgttc catacattct taccaggcac tgagagtcac ggggagttta 120
agactccatc ccacatactc cttttgaaac tgggtccagtg tacacatccc agtgaagagt 180
ataggatggc atagacttac caactcaaaag aatggaagga ttctagaaac attatagttcc 240
aacctctcca attcatcggt gatacacaaa ggcccactaa gctgtgtggt tcactcagca 300
tcacgtggct aatatgatat gaagccacac tagcttgtcc tcagctgtgc caagaatgag 360
agctgccttc tccaaacctc aaaccaaccc atggnatcat taacaccttc ttnaaatcca 420
tagggcagtg                                     430

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&lt;210&gt; 445

&lt;211&gt; 2153

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (166)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 445

```

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gaatcctact gcacccctcg tttagtccg tcttggaacc cgggtacatc gactcagaaa 120
taggaacttc agaccagatt gtccagagat accaggagga cagtgnacat tagttccttc 180
ttctgctaata ccccaaaacc tcagaaaacct cataattctt aacacctggc atttccattt 240
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tgagcagcat atgctgtgat tggctgcctt gcaaatttgt ttccttaag gaacctcac 420
caactatctc tgctgagatt gggagttccg catcttttgt ggagggcaga gtagggacat 480
cttacacccg gtgggcaagt gtgtaataaa cttgagcatt cgaatgggag aaaaagcaaa 540
tcgcacaaat acatatattt agtaataacc gtatttttca cagggtgaca aattgggcca 600
ataaatctgc catctttgaa ctcatctttg gtggtagac tgctacggca gctctctga 660
tgggaaaggt ccttttttgg cttaacactc accctttctt cactctcaca ttaccaatg 720
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tgaagagagt gaattttgga tagtcttgtg attctcagac taacttccag aattatactt 1200
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<210> 446

<211> 492

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (305)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (474)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (475)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (489)

<223> n equals a,t,g, or c

<400> 446

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tcataaatgc cctcaagacg gacggygacg tcacgctgcg gcagcgggag gctgacctcc 120
yctacgccat gtgtgaccgg agcaatgcc aacagatcgt gtcggagatg ctgcggtacc 180
tggagacggc agactacgcc atccgcgagg agatcgtcct gaaggaggcc atcctggccg 240
agaagtacgc cgtggactac agctggttac tggacaccat cctcaacctc atccgcattg 300
cgggncgact acgtgagtra ggaggtgtgg taccgtgtgc tacagatcgt caccacacgt 360
gatgacgtgc agggctatgc ccgcaagccc gtctcccgtc acctgtgtga gctgctggca 420
cagcagttct gagccctgga ctctgccccg ggggatgttg ccggcactgg gcannccctt 480
ggacttgang ca 492
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<210> 447

<211> 1539

<212> DNA

<213> Homo sapiens

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<222> (1)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (20)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (25)  
<223> n equals a,t,g, or c

<400> 447  
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aaccccttttg accagaaact ttatgtctat aacgatgggt acctctgaa ttatgatctt 180  
tctgtctctgc agaagcccca gtaagctggt taggagttag ggtgaaagag aaaatgtttg 240  
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attttgcagc aatgttttagg tgcatagttc taccacaccta gagatctagg acatttgtct 360  
tgatttggtg agttctcttg ggaatcatct gcctcttcag gcgcattttg caataaagtc 420  
tgcttaggggt gggatgtgta gaggtctagg ggcactgtgg gcctagtga gccactgtg 480  
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ctagggatct tttgtacagg aaatattgcc caatgactag tctcatcca tgtgacacca 600  
ctaattcttc catgcctgga agaaacctgg ggaacttagt aggtagatta atatctggag 660  
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<210> 448  
<211> 3983  
<212> DNA  
<213> Homo sapiens

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<222> (60)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (57)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (227)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (328)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1010)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3067)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3255)

<223> n equals a,t,g, or c

<400> 448

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<212> DNA  
<213> Homo sapiens  
  
<220>  
<221> misc feature  
<222> (298)  
<223> n equals a,t,g, or c

<400> 449  
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<210> 450  
<211> 2428  
<212> DNA  
<213> Homo sapiens  
  
<220>  
<221> misc feature  
<222> (2009)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (2037)  
<223> n equals a,t,g, or c  
  
<220>  
<221> misc feature  
<222> (2343)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (2348)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (2375)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (2387)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (2420)  
<223> n equals a,t,g, or c

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<210> 451

<211> 2485

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (222)

<223> n equals a,t,g, or c

<400> 451

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cagctggttc gaaaattagg ccgaggtaaa tacagtgaag tatttgaagc catcaacatc 180
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aaaaaaaaa aaaaaaaaaa aaaa
2485

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&lt;210&gt; 452

&lt;211&gt; 963

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 452

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agc
963

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&lt;210&gt; 453

&lt;211&gt; 604

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (12)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

<222> (517)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (540)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (567)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (593)  
 <223> n equals a,t,g, or c

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<210> 454  
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 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (1256)  
 <223> n equals a,t,g, or c

<400> 454  
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&lt;210&gt; 455

&lt;211&gt; 1538

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 455

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cagagactgt  aaaaaaaaaa  aaaaaaaaaa  gggcggcc                1538

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&lt;210&gt; 456

&lt;211&gt; 2189

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (17)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 456

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aaacctttta tctcctaaaa aaaaaaaaaa 2189

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&lt;210&gt; 457

&lt;211&gt; 1399

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 457

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gagacatgtc cctatgacat agcagtggtg agcctggagg aggacctgga tgatgtcccc 180
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aaaaaaaaaa aaaaaaaaaa 1399

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&lt;210&gt; 458

&lt;211&gt; 709

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (57)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 458

```

cacgagcggg caccgagatt aatgtttcca aggttagacg ttacttttt gagacgnttg 60
agtagctttt cacttaattg actagcatgt atgggtttct ttaccagggt ccacaattca 120
ctacacaggt ccagaaaaaa agctgatctc tgaaaagcac tagggagaagg cagctagaga 180
gggagaattc taattaggcc ggggtcctct gtggcttgaa tgactgaata agttttata 240
gtcttcaatt cagtgacttc cagattcttc caaaagaat ttctagrat caagagttag 300

```

```

ctctttcggg agtacttgcc cgtattacac tttaatTTta caaaccaaac aacagcaatt 360
caaccaatca aacaacaaaa acaatccaaa gaaagagact tggacatagg catcaaggaa 420
tcatttcact ttataattta atagaacact ggtgtatcat tcattaatTC tgaagtgag 480
aactaaatgc aaaaataattt tgtaaggttt tgtaattggt gcctaggat tctggtgatg 540
tttactttag tgattttatc attaatgaaa gcaatgtggt tttttagaaa acatattatt 600
aggggtcata acgttgacat tctgttggtg caatcataat ctcttgtttt gttttatgct 660
tagctctaca gttgaatgaa tccaagctca ctccacggcc ttttgctat 709

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&lt;210&gt; 459

&lt;211&gt; 1283

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (86)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (145)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 459

```

agcagtcctgc cgtggccatg tacatgctct ataagaagca gaagcagcag aacgtggccc 60
actgcagtctt ggtaagcaac cgcgtntctcc tgggtggggga gcacgctggc catgctgcag 120
cgcttccaag gaggcagcagt tctgtatcgc cggggctcttg gtggaggaca gcaacaacca 180
ccacctcatg ctggaggcca gcragtgggc caccatcgag gggctgggtg agctcctgca 240
gccttccaag caggtggccg agatgctgtc ggcctccagg tacccaacca tcagcatggt 300
gaagccgctg ctgcacatgc tcttraaacac cagctcaaac atcaaggaga ccgactccaa 360
ggagctcagc atggccaagg aggtcatcgc caaggagctt tccaagacct accaggagac 420
gccccagatc gacatgtttc tcaacgtggc cacttctctg gacccccgct acaagagcct 480
gocctctccc tccgccttcg agcggcagca ggtggagaat cgcgtggtgg aagaggccaa 540
gggctgctgg acaaggtcaa agacggcgccg taccggccgg ctgaggacaa gatcttccc 600
gtgcccgagg agcctcccggt caagaagctc atgcccagat ccacgccgcc gcccgccagc 660
gtcatcaaca acatgctggc cgagatcttc tgccagacag gggcgctgga ggaccaggaa 720
gagtggtcag cccaggtggt ggaggagctg agcaacttca agtcccagaa ggtgcttgcc 780
ctcaacgaag accccctcaa gtgggtgtca gaccgctgg cctcttccc cctgctgccc 840
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gatccgcgcg caacgtggct agcgcgaaga ggaaccggct ggctcccgcg acagtggaa 960
gagcaggtgt ttctgtatga raacgcccg agtggggcag agggggaacc cgaggaccag 1020
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agtcattccc gcagcagccc attggatgct ttgctgtaaa tacttaccgc gtcagcttgg 1200
tttgaacctt cagagacctt ccactgtctt tgacacctag aaggtggaaa aaggaaagag 1260
attcgagaag tgagagaggg tcg 1283

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&lt;210&gt; 460

&lt;211&gt; 435

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

<220>  
 <221> misc feature  
 <222> (431)  
 <223> n equals a,t,g, or c

<400> 460  
 tcgaccacacg cgtccgcaag tacaaaaaac ttaagtttca tttgtaggcg cacagatcat 60  
 agaatttcaa atgacatatt acatagtttg taaatgtata tatttggttg actgaaactt 120  
 aatcataaatt tagttcttaa aactatgttg cttgaagtgg caagtagcaa gtactgattt 180  
 taccagattc aagttgattt ttaaaagtaa ccattggaga aatcggtata catttggttg 240  
 caggattttt acctcctata actccaccag aaaagttttt tctttcccag ctgatgctgg 300  
 cccccccacg ggaactcttc aaaaagacgc ctccgccgat tgcactgatg gcagtgggaa 360  
 acatggggca gtctgtggam attagtgggc tcagtagtgc ttggcccgta aggrggaayc 420  
 agtgtttggg nattc 435

<210> 461  
 <211> 654  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (138)  
 <223> n equals a,t,g, or c

<400> 461  
 gcgwcgcagc ctttggagct cccagcgtcc cctcgggttc aatcctccag gacctgtgtc 60  
 tgatgcctgc atgtgggtac ctgggtccca tcagytctta gatcggcctc cgcctccac 120  
 ttccagggtc ccaggccnag ctctctcatgt ctgtggggag ggtctccaga gccctggctc 180  
 gtggctgagc tgtggaactt gaaggcctct ctgcactctg tcaactcgtg cccctgcacc 240  
 ttgggtcatg acctgcttta tgtggcaacc ctgtgacagc tgctaagtgc tagaaaacac 300  
 gtaacaggac gtgaggtgcc ctctgcgcgc tggtgggcgc tgcggggaga cccgggcccc 360  
 aggcgtgtgag gtgccctctg cgcctgtcgc gcgctgtcgc ggagaccggc gccacatgcg 420  
 agcggggccc cgagacattc tgcactcggg aattgcgggg attatcaaat cccgcttcag 480  
 tgggaaacgt gagcgaacac caaggtgagt ggcgcgacgc tttcgtcaac gtctctccc 540  
 catgtcctaa gtaggggtc aggtgtgagc gccgttgcgc agagccttgt gctctcctcg 600  
 ggtgtctgca ctgtgagtgg ctccgtgctc gcgtccgcac cagccgcttg gggc 654

<210> 462  
 <211> 2245  
 <212> DNA  
 <213> Homo sapiens

<400> 462  
 aattaccggc tcgaccacac cgtccattgt cccaatgtgc ccggctcagc ctgaggaagc 60  
 agtcgctctt ccaggagcca ggtcccgatg tggaggccta gcgcgagga acagtgtctg 120  
 gcaccgcctt ggcccgccag acccaccctg ccaacatcaa gttgttcctt ctgctccgga 180  
 gaccctctgg gtgcggccct ggcctccctc accctctctg ggccagagcg ggtgggcagt 240  
 gtcaaggccc gctgctctcc aggtgcttgc tgggactcgg ggcggtgca cctggctgct 300  
 acctgggtgt gctgctgtga ggggtccttg cgtggccccc atccttcccc caatgcagaa 360



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ctccatgggc agggagctgg ggggacatct caccctcccc atggcacaga gccctccaca 420
ccccctggacc aggggatccg ggccttagaa attccacaga tcccgtcctg gccacccctgg 480
aagctcatca ggcacaagacc cggacagagc ttcagaggag tgttgagtga cactgaggga 540
tgccggtgca cacactcagc caagggccga gctccacctg cgggtggggt tcggctctgc 600
ctggggggctc catccctttc agccacctct ggccctgggg attctctggt gtccccagct 660
gggactgttc acagtgttca cctgcagacc tgcctctccc tggcctgagg ttcaaaaggcc 720
tcactggatg gtcagtacag tgggggtcac tgtgtttctc atacaacagc agggaaagggg 780
ccatggagct tttccctgct ggtgtctcct gctttggccc agccacacct tccctggtgt 840
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gagacggcag ggtctcctct ttgtctctcg gcatcaggaa ggggatgggt tccactcccc 1560
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tgctggtatt tgcgtgacaa aggggtgggc cctttttatt tttaactgcc acccagcctc 1980
tccccccact gccctttctg ggtgacacag ccggtaaacg gaatcacgta tggttctttc 2040
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catgggtggt cccacagcat gggaccagcc tggcctgagg gatgccagt tgtaaccaatg 2160
ctgctgtcac tgtctcatta aatatcacat ctttaaaaaa aaaaaaaaaa aaaaaaaaaa 2220
aaaaaaaaa aaaaaaaaaa aaaaaa 2245

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&lt;210&gt; 463

&lt;211&gt; 1280

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1016)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1137)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1242)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1254)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 463

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gcgagcaacg cttggagcatc cgcctctggt gccctgcag cccggcagaga tgggttagct 60
catgttcccc ctgtgtgtcc tcttctgtcc ctctctcttg tatatggctg ccccccaaat 120
caggaataatg ctgtccagtg ggggtgtgtac atcaactgtt cagcttctctg ggaaagttagt 180
tgtgtgtcaca ggagcataata caggatctcg gaaggagaca gccaaagagc tggctcagag 240
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gatccagacc acgacagggga accagcaggt gttggtgcgg aaactggacc tgtctgtatc 360
taagtctatt cgagcttttg ctaagggtct cttagctgag gaaaagcacc tccacgtttg 420
atcaacaatg caggagtgat gatgtgtccg tactcgaaga cagcagatgg ctttgagatg 480
cacataggag tcaaccactt gggtaacttc ctctaaccc atctgtgtct agagaaacta 540
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ccaagggagt attttcacaa agttcaaaac agccacagta antcagagat ggangcaaac 1260
cagtgcacac cagcttttac

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&lt;210&gt; 464

&lt;211&gt; 2431

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 464

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gttgtgtgga gggcgaggga gtcgccattt tggatggtag accctgaagt cgggtgtctgc 60
tgctgtcacg gcaggtattcg gtaggagga acagcacagc atgctgggct ctggatttaa 120
agctgagcgc ttaagagtga atttgagatt agtcataaat cgccctaaac tattggagaa 180
aaagaaaacg gaactggccc agaaagcaag gaaggagatt gctgactatc tggctgtctg 240
gaaagatgaa cgagctcggg tccgtgtgga gcacattatc cgggaagact acctcgtgga 300
ggccatggag atctctgagc tgtactgtga cctgtgtctg ctctggtttg gccttatcca 360
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tctcgcactc cagtcagaag tggctgagtt gaaaatagtt gctgatecgc tctgtgccaa 480
gtatagcaag gaatatggca agctatgtag gaccaaccag attggaaactg tgaatgacag 540
gctaattgcc aagctgagtg tgggaagccc acccaaaatc ctgggtggaga gatcctgat 600
tgaattgtca aagaattaca acgtacccta tgaacctgac tctgtgttca tggcagaagc 660
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aggcccttga agagagagga gtggtggctt cacagcacca gttggtggac gatctggaac 780
ggtgccagat gcccatgcc atgcctatgc catctgcmaa tacgccttct tcatatccac 840

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tgccaaagg accatcagat ttcaatggac tgccaaatggg gacttatcag gccctttccca 900
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atgctgataa gaatatctct tctgcacaga ttgttggtcc tggacccaag ccagaagcct 1020
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa a
2431

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&lt;210&gt; 465

&lt;211&gt; 589

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 465

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agggtaacat tcaacaatct atccatctcc ggagaacttg aagctgttca gaatatggta 60
tctactgttg aatgtgctct taaacatgtc tcagattggt tggatgaac aaataaaggc 120
acaaaaacag aggggtgagc agaagtgaag aaagatgagg ccggagaaaa ctattccaag 180
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accctgttaa atacagtcaa agataatctt cctattcrga ttcagaaact cacagaaagag 360
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cccacgctaa ctttgaagggt gatacttacc tcacctctaa ttaggagcga attgaggaga 480
aaggatggag aaaaagtcttc gatgaaaagt cctccgactt tattggayag gcagaaatgc 540
ctgaacgcct tggcgtctct tcgacatgcc aaatgggttc agccaaggg 589

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&lt;210&gt; 466

&lt;211&gt; 1107

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

<221> misc feature  
 <222> (1099)  
 <223> n equals a,t,g, or c

<400> 466  
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 ggacaccggc ggaagcctccc cgcgcccgcg gaagaaaccc cgcacgcaac aatagcaaca 120  
 gcctgaatgt caataacggg gttcccgcg cgccggccgc cgcctctcca gccaccgtcg 180  
 cagctgcctc gcgccaccac gccgcctcct cttccttgcc caccocagaa ctgggcagca 240  
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 agcacttgaa tggcttaggg ctcaaccaga ctgttgatct cctcatgcaa gactgaagat 360  
 gtctgttaga acatcctct gctaccaaata tccgaaatca tgcattggaa ggagactggg 420  
 taagggcaga aaatgacctg aatgaactaa agcctttagt gcattctcct catgctattg 480  
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 ttttgcctgt gcagcagaag tacctagaat acctggagga tggcaaggct ctggaggcac 600  
 ttcaagtctc acgctgtgaa ttgacgccgc tgaaatacaa tacagagcgc attcatgttc 660  
 ttagtgggta tctgattgtt agccatgcag aagacctacg tgcaaaagca gaatgggaag 720  
 gcaaggagac agcttcccga tctaaactat tggataaact tcagacctat ttaccacct 780  
 cagtgatgct tccccaccgg cgtttacaga ctctcctcgc gcaggcgggt gaactacaaa 840  
 gggatcgggt cctatatcac aataccaaac ttgataataa tctagattct tgtctctcgc 900  
 ttatagacca tggttgtagt aagaggcagt tcccatgktt atacgcagca gatacttacg 960  
 gaagcattgt tatgaatttt gttctcctgt aattctcctc aatgaatggc acctaaactt 1020  
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 ggaatacaca cctgtcttna aacttgc 1107

<210> 467  
 <211> 2197  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (846)  
 <223> n equals a,t,g, or c

<400> 467  
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 ccgcgaatga aacgcctccc gctcctagt gttttttcca ctttgtgaa ttgttctat 120  
 actcaaaatt gcaccaagac accttgtctc ccaaatgcaa aatgtgaaat acgcaatgga 180  
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 gataatgaat gtggaatttt aactcagttc tgtggcgaaa atgctaattg cactaacaca 300  
 gaagggaagt attattgtat gtgtgtacct ggttcagat ccagcagtaa ccaagacagg 360  
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 aatgtctgta tagctgcaaa tatataaaaa accttaacaa aaatcagatc cataaaagaa 480  
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 aataattttt ttcaaaaggga tacatttgta gtttgggaca gtgtatctgt gaactatagg 720  
 agaacacatc ttacaaaact catgcacact gttgaacaa ctaacttaag gatataccag 780  
 agcttccaaa agaccacaga gttgatata aattcaaccg atatagctct caaagttytc 840  
 ttttngatt catataacat gaaacatatt catctcata tgaatatgga tggagactac 900

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tcaatgagct caaacccacc cacattatat gaacttgaaa aaataacatt tcatattaagt 1140
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&lt;210&gt; 468

&lt;211&gt; 3611

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3574)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3581)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 468

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<211> 520  
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 <213> Homo sapiens

<400> 469  
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 tcaggtgcac ggtggggagt acaaatgtgag tctctttgga ttgcccattc tgggtctcac 420  
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 ttgctttcct garctggaaa tcagcatcwt tyacaaattg 520

<210> 470  
 <211> 879  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (472)  
 <223> n equals a,t,g, or c

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 gaaaaccgcg cgcgcgtatc gagagctttg tgaatcacgc cccgggggct ttctcaggga 180  
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 tctgctcagg ccagagccag atccgcatgt gcaagcccc gggggaccgg cnttcggcag 480  
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 aaggcggcgg cagcgcagc agtagcagcg gggggcggcg caccacaagg caggcctccc 660  
 gcttgggact cgacttcgag gagctccgta tggaagccag aagtcacacc tgacatcaag 720  
 tcaaaagttc tggtgggctt aggatctctc ggaatcgcca aacttcggcc ctccgcaacc 780  
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 caaggagagc gggcaattcc cgcagtcag acaggttgcc 879

<210> 471  
 <211> 2557  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (121)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (461)  
 <223> n equals a,t,g, or c

<400> 471  
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 naaaggcccc tgtgtgagca cacaagaact ctgagcactc acagtgttcc caacatatca 180  
 ggggctactt gtartgcctt cgcttcccct ttcgggtgtc ctactcaca tagacatgcc 240  
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 ggacctgac tctgtgctgc tccatatagt actcagaaat catctgttct acctctttat 420  
 gaaaaactct ttcaggagct ccaggtaatg aggcgggctg naaatttgtt tagaacacaa 480  
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<210> 472  
 <211> 467  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc feature  
 <222> (455)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (466)  
 <223> n equals a,t,g, or c

<400> 472  
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 tggaggtaga gaaggggtgcg ttgctgtctg cagtggacac tctctgctgc tgggacggct 120  
 gaagagggga ggaattgggt cagttgcctg tctctcactt ggagcagatg ctgtctgacc 180  
 ccagcacacc actcctcctc ccacagagac cggaacatca ggtctgtcct ctggagtttc 240  
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 tgtgttttga cccctcacag ctgactcaca ggaagtgcga agaagagctt ggcactgggc 360  
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 atccttgata gacctgaag gcttccaaat ttgcnaagac tcccang 467

<210> 473  
 <211> 480  
 <212> DNA  
 <213> Homo sapiens

<400> 473  
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 gcttgctgaa caggatagga agctgtcctt gctgttaagt acttctcccg ttgtttatc 180  
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 tagtcagttc agcaggagca gagaccaggt tagcacggg atggggtgtg attcagtggt 1140  
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<210> 474

<211> 1258

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (36)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (528)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (726)

<223> n equals a,t,g, or c

<400> 474

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ctcccagact gggggtgtgg gcctaggaaa ggctgcttcg ccgctgtgtt cggagagctc 120
tggatactgc ggggcttttc cgcggaggag cggccgcggg taggttggcc ccgaaccgtg 180
ggggcgagca cggccgagtg ccaatttgac tctgtgcacc aaggtccccg cgccccggaa 240
cgggcgacgc cgcgccccca tcagagccgc rggcactctg atctgggacc gacctcctgg 300
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cagaggtggc agcaatggcc cggctactag gggacctaga cakgagcacg ttacgaaagt 480
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cccacgacag cccctgccctt cccatgagggc aggcctcttca gtgagtggtt gaacgtaatt 1140
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<210> 475
<211> 4231
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<222> (4136)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (4167)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (4184)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (4223)
<223> n equals a,t,g, or c

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cagaacatgt taatggaaaat ggtactgaag agcccatgga tactacttct gcagttatcc 120
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